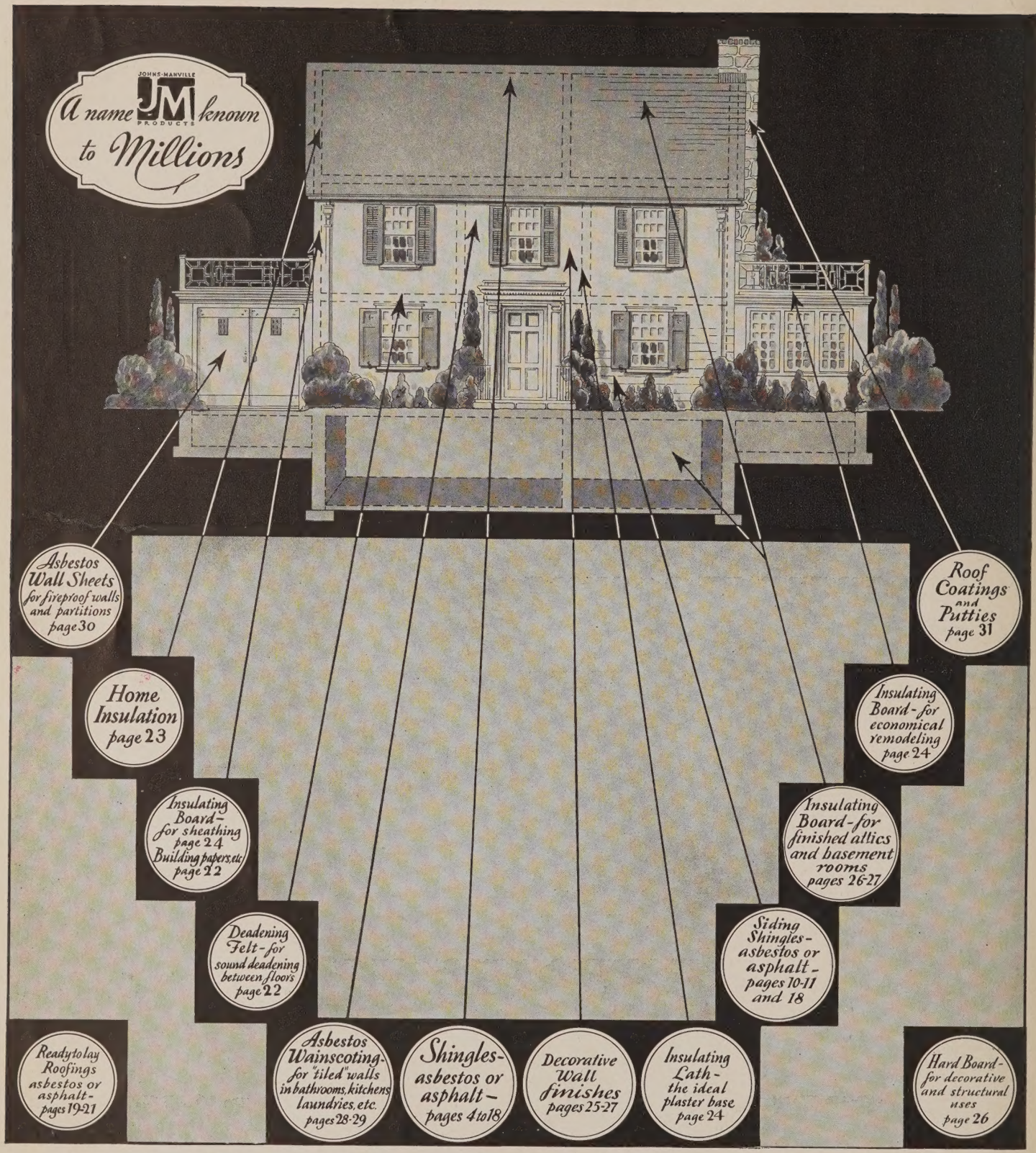
THE CATALOG OF

JOHNS-MANVILLE

BUILDING MATERIALS


JOHNS-MANVILLE
A name JM PRODUCTS known to Millions
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A PICTURE such as this is needed to reveal the many places in which one or more Johns-Manville products can be used in the construction of better and more comfortable homes. . . . . The use of these materials is not limited to new construction only, for the profitable remodeling and reconstruction field offers a ready market for practically every one of them. . . . . These varied products are described on the following pages. . . . . Each one is identified by the Johns-Manville name—a name backed by over half a century of research and experience in the manufacture of quality building materials.

NEW HOMES MADE BETTER . . .
OLD HOMES MADE NEW

The problem of better building does not concern only the contractor or builder who selects and applies the materials used; it is of first importance also to the manufacturer. Although there are no more important items in the construction of homes than skill and good workmanship, these can only be used to best advantage when combined with materials of unquestioned quality. Established through more than half a century of manufacturing experience, Johns-Manville takes pride in its reputation as a manufacturer of quality building materials.

SHINGLES
Asbestos and Asphalt

Johns-Manville Asbestos Shingles are the ideal roofing material. In appearance and quality, these permanent, unburnable shingles deserve to be termed a luxury, but from the practical standpoint of actual cost, they are within the reach of practically every budget.

Second only to J-M Asbestos Shingles are J-M Asphalt Shingles—durable, fire-resistant and low in cost, in an unequalled range of colors and blends.

READY ROOFINGS

J-M Ready-to-lay Roofings provide, for every type of building on which ready roofing can be used, the utmost in protection, depending on the type chosen.

BUILDING ACCESSORIES

In addition to shingles, roofing and other products, the Johns-Manville line includes a wide variety of those "accessory items," such as sheathing papers, slaters felts, deadening felt, etc., which are required in building construction.

HOME INSULATION

The ultimate in house insulation, J-M Rock Wool Home Insulation makes available to owners of both new and old homes the maximum in year 'round living comfort and winter fuel savings. Built or blown into the walls and roof spaces, J-M Home Insulation is a *thick* insulating material that is permanent, vermin-proof, rot-proof, and odorless—a material that, moreover, absolutely will not burn.

INSULATING and HARD BOARDS

In Johns-Manville Insulating Board is found a structural, insulating and decorative material with almost unlimited possibilities for use in constructing, insulating, decorating and remodeling all types of homes. And J-M Hard Board and Tempered Hard Board provide a decorative sheet material of unusual strength, toughness, hardness and rigidity.

ASBESTOS WAINSCOTING

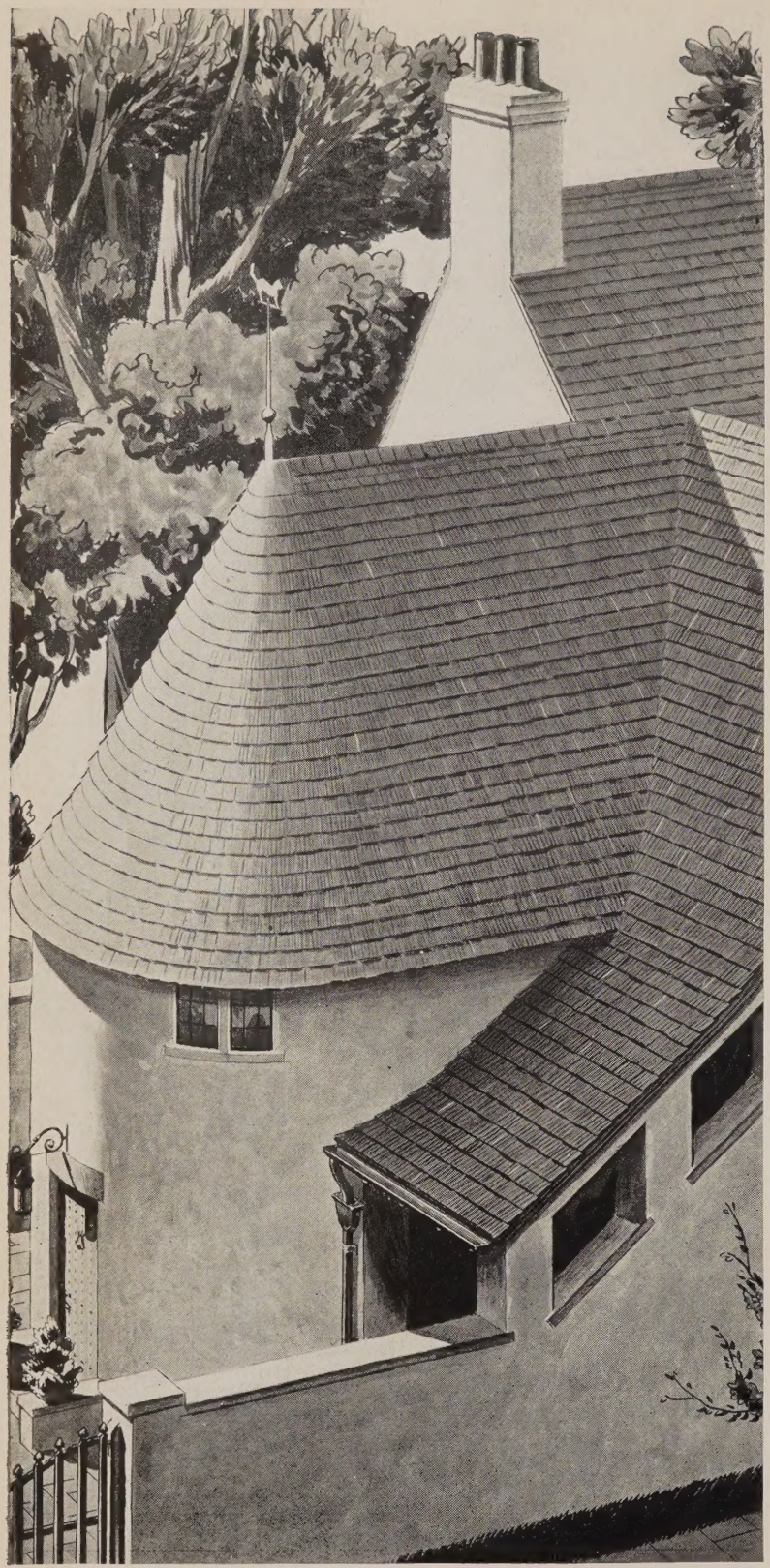
J-M Asbestos Wainscoting, the new, colorful wall material, has all the advantages of tiled walls, but, being made in sheet form, can be installed by any carpenter, using ordinary tools.

ASBESTOS WALL SHEETS

Johns-Manville Transite and Asbestos Flexboard meet all needs for exterior and interior work where strength, workability and fire-resisting qualities are essential.

ROOF COATINGS, PUTTIES, etc.

For restoring old wood, metal and composition roofs, and for the many miscellaneous repair jobs which involve patching, pointing up or waterproofing, Johns-Manville manufactures a complete line of roof coatings, roof and caulking putties and cements.



There is not a home, large or small, which can afford to be without the protection of a fireproof roof. And now that Johns-Manville Asbestos Shingles are available at prices within the reach of practically every pocketbook, every home can have complete security from fire and weather, and, at the same time, obtain beauty which never grows old.

No finer roof can be selected than a roof of these fireproof, weather-proof Johns-Manville Asbestos Shingles—recognized to be the utmost in roofing quality.

JOHNS-MANVILLE RIGID ASBESTOS SHINGLES

Johns-Manville Rigid Asbestos Shingles combine, in one permanent material, all the features of the perfect roof.

They are unaffected by the action of the elements. They will not rot, rust, split or corrode. They absolutely will not burn, and not one has ever worn out—the first cost is the last cost!

Furthermore, they are available in a wide range of colors, styles and prices, to meet every requirement of architectural design, personal preference or budget.

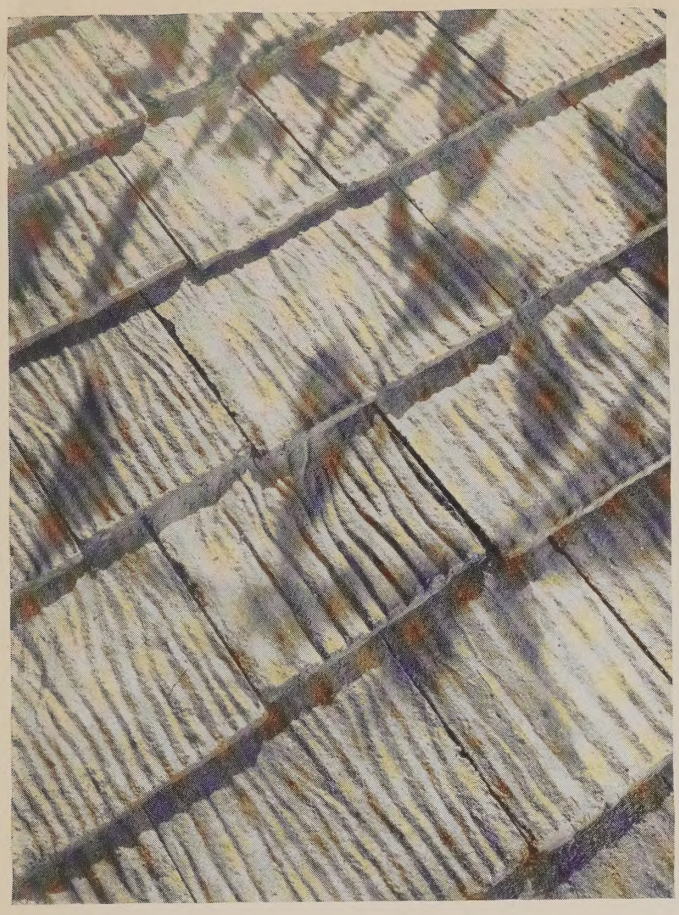
Johns-Manville Asbestos Shingles are composed of asbestos fibres and Portland cement, moulded under hydraulic pressure into one homogeneous unit that actually grows tougher with age.

These permanent shingles can be applied right over an old roof just as easily as on a new home. Wherever used, they assure the owner of a lifetime of protection from weather and fire without further expense, and add materially to the appearance and the value of the home.

For many years, Johns-Manville Asbestos Shingles have been regarded as a luxury—suitable for only the most expensive homes. Today, new designs, simplified application methods and lower prices of the shingles have brought the cost of a finished J-M Asbestos Shingle roof within the reach of practically every budget.

Many an old home has received a new lease on life with walls of J-M Asbestos Shingles in addition to the J-M roof—the ideal way of obtaining permanent protection and freedom from maintenance costs, for the whole home.

On the following pages are shown the many styles of J-M Asbestos Shingle from which a suitable selection can easily be made.



J-M No. 55 SALEM SHINGLES

J-M No. 55 Salem Shingles combine all the characteristics of the finest roofing materials—random widths, harmonious colors, heavy, rugged butts and a beautifully textured surface—with complete protection from weather and fire.

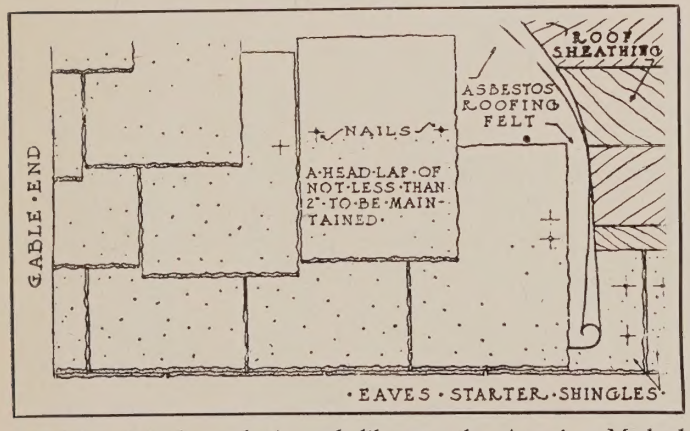
Salem Roofs, which are appropriate on buildings of practically any architectural type, at once provide a mellowness ordinarily procured only by years of weathering. For this reason, they have been selected to protect certain of the nation's foremost historical shrines, a notable example being the Hancock-Clarke House, at Lexington, Mass.

Whether used to roof a new home or to re-roof one now standing, Salem Shingles at once blend in complete harmony with the architectural scheme.

Colors:

No. 1 WEATHERED GRAY
No. 2 WEATHERED BLACK
No. 3 OLIVE GREEN
No. 4 SEA GREEN

See page 8 for reproduction in full color.



J-M Salem Shingles are laid exactly like any other American Method Shingle. Butts can be staggered. Random widths add distinction.

J-M Salem Shingles are the most modern of roofs—yet with the character and beauty that once came only with the years.

No. 55 Salem Shingles—Size, 8" x 16". Butts 5/16". (Random widths of 6", 8", 10" and 16" on special order at no additional cost, but equal number of 6" and 10" shingles must be ordered.) Packed 20 shingles per bundle. 13 bundles. 260 shingles per square, standard width. Approximate weight, 625 lbs. per square. Use No. 56 Starter and No. 57 Hip & Ridge Shingles. (See page 12.)

Requires approximately 3 lbs. of 1½" galvanized nails per square for new work, and approximately 4 lbs. of 2" nails for re-roofing. *Underwriters' Class A label.*

J-M No. 35 AMERICAN METHOD

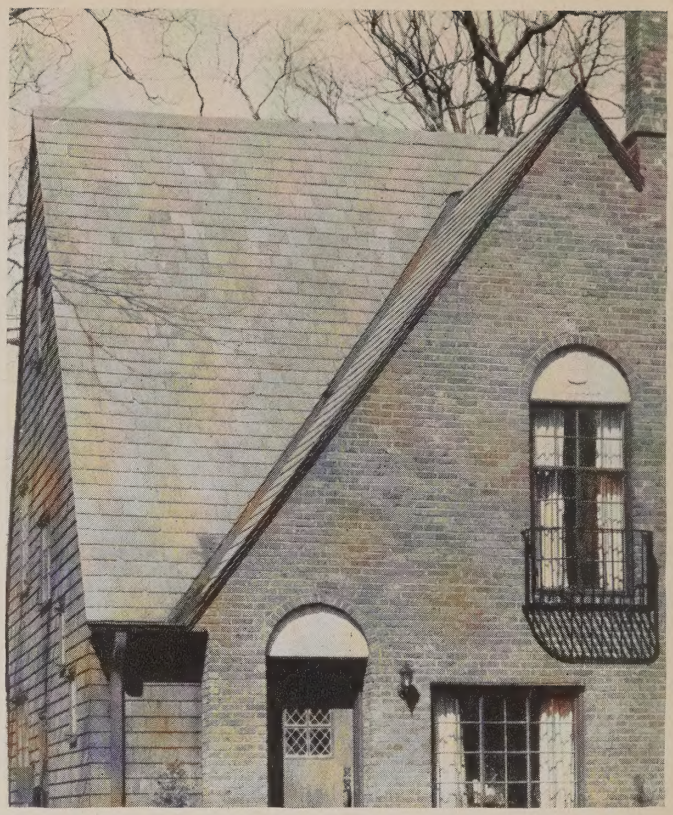
In the J-M No. 35 American Method Shingles both color and texture are combined to make roofs of unusual beauty and attractiveness at low cost. The pleasing rough texture, untrimmed edges and rich colors of these shingles give character to the roof and add materially to the attractiveness of the home. Ordinarily these features are found only in higher priced shingles, yet the J-M No. 35's are very moderate in cost.

See illustration on page 5 for method of application.

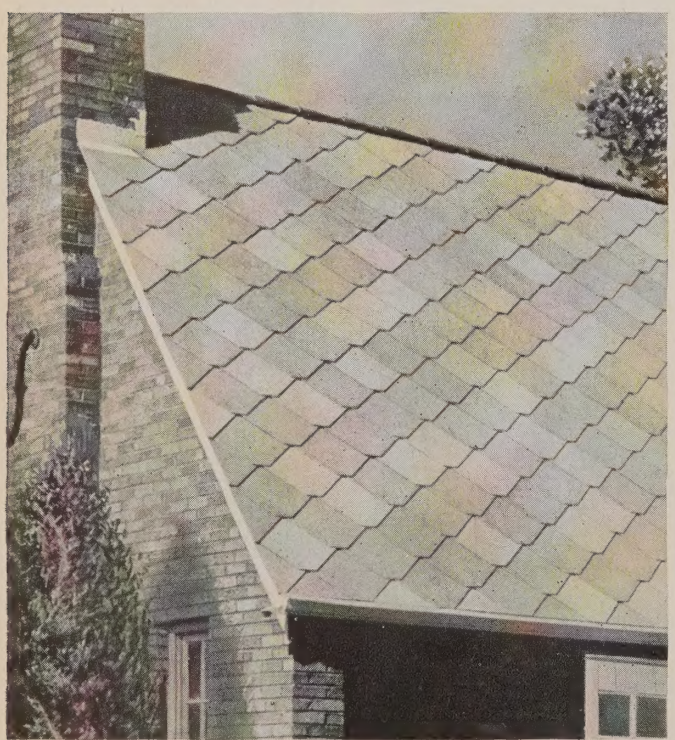
Colors:

EBON BLACK
GRANADA RED
OLIVE GREEN
SEA GREEN

No. 35 American Method—Size, 8½" x 17". Tapered to approximately ¼" butts. 7½" exposure. Packed 15 shingles per bundle. 15 bundles, 225 shingles per square. Weight, approximately 565 lbs. per square. (Random widths of 6", 8½" and 11" available on special order at slight additional cost.) Approximately 2¼ lbs. of 1¼" galvanized nails per square for new work, and approximately 3½ lbs. of 2" nails for re-roofing. Use No. 36 Starters and No. 37 Hip & Ridge Shingles. (See page 12.) *Underwriters' Class A label.*



A restful roof of J-M No. 35 American Method Shingles, entirely in keeping with the permanence of the brick wall and the design of the American Method siding shingles.



J-M No. 70 HEXAGONAL

With its pleasing pattern, adapted from the old French diagonal shingle, the No. 70 Hexagonal Method Asbestos Shingle is one of the most popular styles ever produced by Johns-Manville.

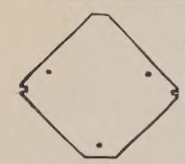
Each shingle has a full 3-inch weather-lap and butts are securely fastened by copper storm anchors running through the previous course, as illustrated in the diagram below.

Colors:

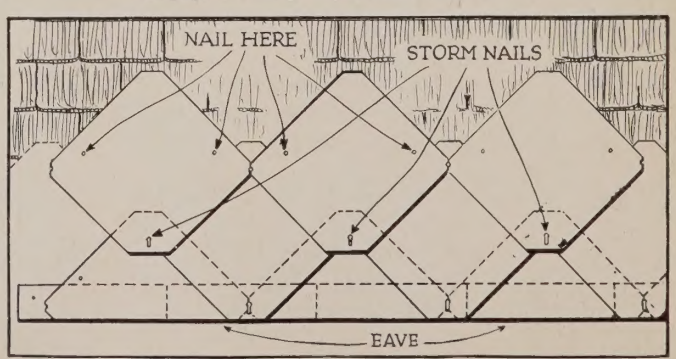
MOTTLED GRAY
MOTTLED BLUE-BLACK
MOTTLED RED
*MOTTLED GREEN

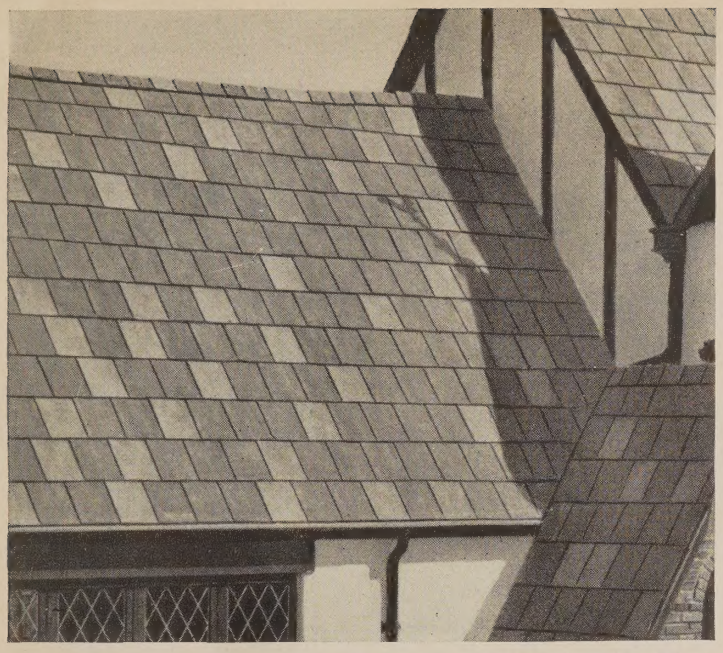
* Rough Texture.

See pages 8 and 9 for reproductions in full color.



The No. 70 Hexagonal Method—Size, 16" x 16". Packed in convenient bundles of 15 shingles each. Weight, approximately 288 lbs. per square. 86 shingles, 1 lb. of 1¼" galvanized nails and 86 storm anchors required per square. Exposed 13" x 13" to the weather. Use Nos. 17 and 71 Starters and Ridge Roll. (See page 12.) *Underwriters' Class B label.*





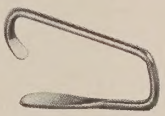
This beautiful Dutch Lap Roof demonstrates how closely the lines of this shingle resemble the American Method lines. Shown on a stucco and half-timber home.

J-M No. 30 DUTCH LAP

The J-M No. 30 Dutch Lap Shingle maintains the characteristic horizontal and vertical lines of the American Method style. Its application is so simple that labor costs are materially reduced. This, coupled with the low cost of the shingles, themselves, makes the J-M Dutch Lap Roof one of the most economical asbestos roofs now available.

This shingle, which is lapped at the side and top, with the exposed corner secured by a J-M Clincher, is designed for ⅓ or ¼ uniform side lap application, and can be laid from left to right or from right to left. The exposure and effect of the shingle can thus be established according to the appearance and price desired.

The J-M Clincher, which replaces the old storm anchor in securing the exposed corners of the shingles, is the key to the new simplified method of application. It can be quickly slipped into place and clinched with a smart hammer blow at any time during the application of the roof. It grips securely and cannot come loose.



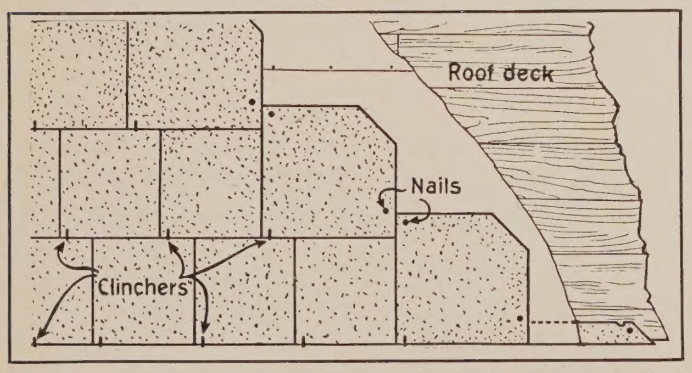
The J-M Clincher

Colors:

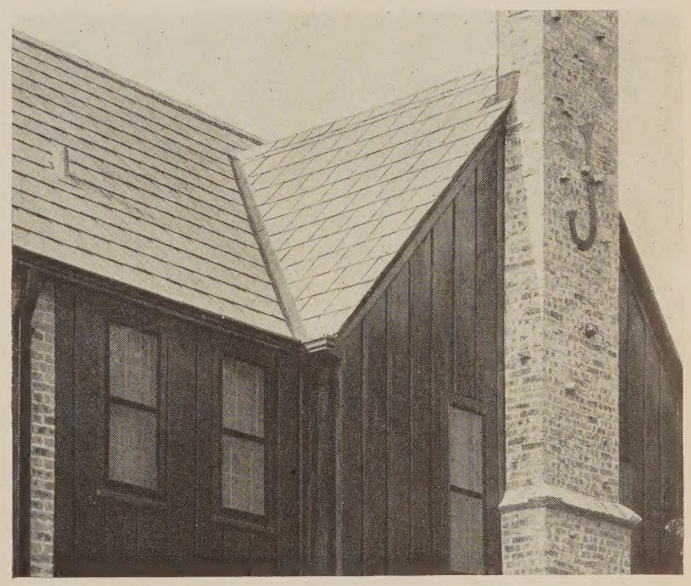
MOTTLED GRAY *MOTTLED GREEN
*MOTTLED RED *MOTTLED BLUE-BLACK
COPPER

* Textured Surface.

See page 8 for reproductions in full color.

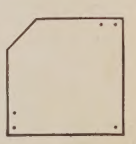


This diagram shows graphically how easily a No. 30 Dutch Lap Roof can be laid. The J-M Clincher securely locks exposed corners with minimum of labor.



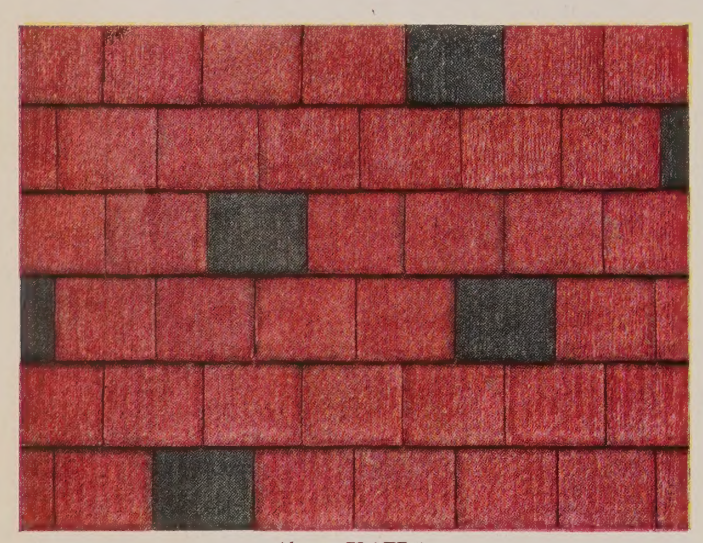
Dutch Lap Roofs harmonize with practically every type of architecture. They are shown here with English timber-and-brick walls.

J-M No. 30 Dutch Lap Method—for ¼ side lap application. Size 16¼″ x 16¼″. Packed 15 shingles per bundle, 6 bundles, 90 shingles, per square. Weight approximately 300 lbs. per square. Requires 90 J-M Clinchers per square; approximately 1 lb. of 1¼″ galvanized nails for new work and approximately 1¾ lbs. of 2″ nails for re-roofing. Use No. 31 Eaves Starter and either No. 97 Hip & Ridge Shingle or Ridge Roll. (See page 12.) *Underwriters' Class B label.*

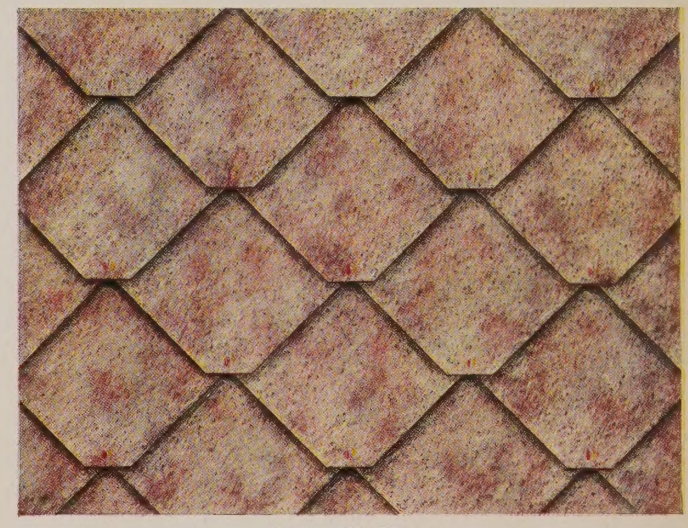


J-M No. 30 Dutch Lap Method—for ⅓ side lap application. Size and packaging same as for ¼ side lap but requires 6⅔ bundles, 100 shingles per square. Requires 100 J-M Clinchers per square; approximately 1¼ lbs. of 1¼″ galvanized nails for new work and approximately 2 lbs. of 2″ nails for re-roofing. Use No. 31 Eaves Starter and either No. 97 Hip & Ridge Shingle or Ridge Roll. (See page 12.) *Underwriters' Class B label.*

THESE ARE THE COLORS OF JOHNS-MANVILLE



Above—PLATE 1
Below—PLATE 2



Above—PLATE 3
Below—PLATE 4

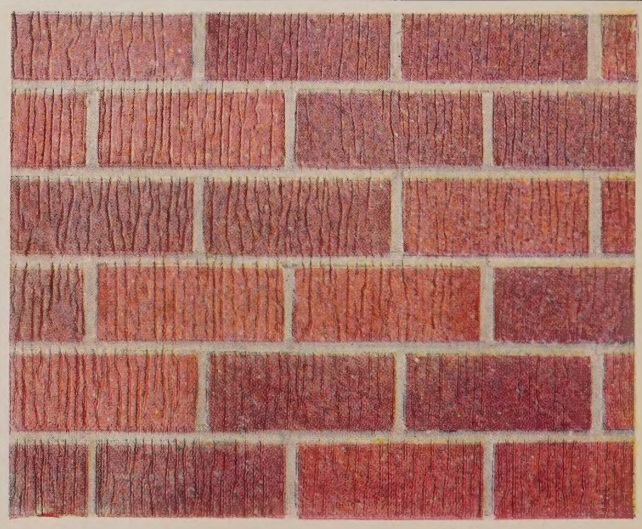
J-M No. 55 SALEM SHINGLES and No. 35 AMERICAN METHOD SHINGLES

In the illustrations above are shown some of the attractive colors which are found in the J-M No. 55 Salem Shingles and No. 35 American Method Shingles.

Plate No. 1 shows a Salem Roof composed of 40% Weathered Gray, 25% each of Weathered Black and Sea Green and 10% of Olive Green—all combined to provide a blend of incomparable beauty that has no suggestion of newness. Note how the use of random widths and staggered butts softens the roof lines and adds variety and charm to the finished effect.

In Plate No. 2 is shown a No. 35 American Method Roof of Granada Red, laid with butts aligned and introducing random accents of Ebon Black. The delicate texture and untrimmed edges of this attractive shingle are displayed to even better advantage when the shingles are laid with staggered butts.

See page 5 for description of Salem Shingles; page 6 for No. 35 Shingles.



IN THE OUTSTANDING LINE ASBESTOS SHINGLES

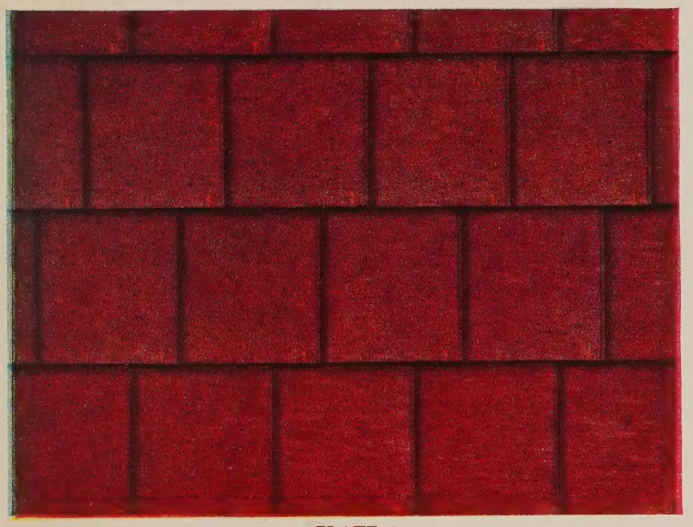
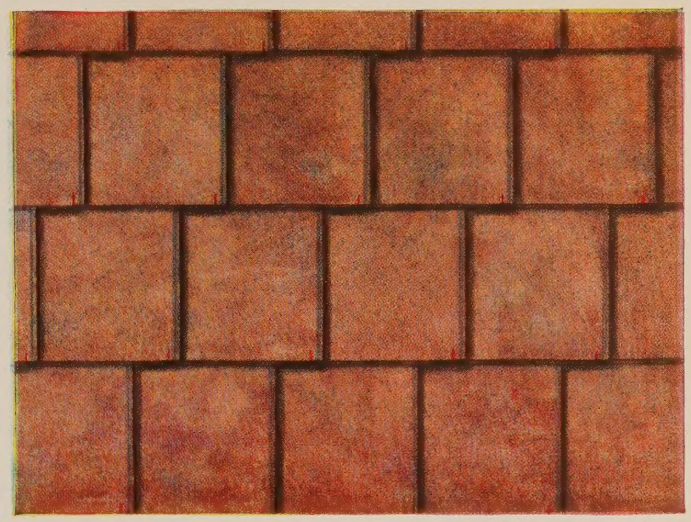


PLATE 5



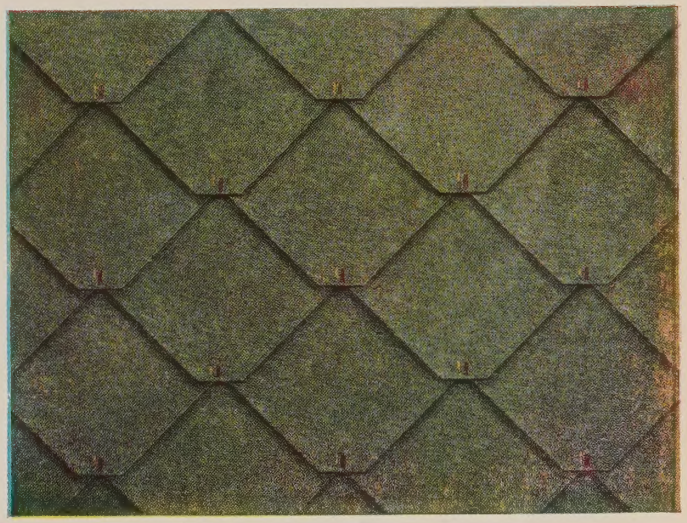
J-M No. 30 DUTCH LAP METHOD
J-M No. 70 HEXAGONAL METHOD

In plates 3, 4, 5, 6 and 7 are shown the various colors in which the J-M Dutch Lap and Hexagonal Shingles are available.

Plates 3, 5 and 6 show the Dutch Lap Roof pattern in Mottled Blue-Black (*Rough Texture*), Mottled Red (*Rough Texture*), and Copper. In addition, this style is also available in Mottled Gray (*Smooth Surface*), and Mottled Green (*Rough Texture*), with colors as shown in plates 4 and 7.

Plates 4 and 7 illustrate the Hexagonal Method Roof pattern in Mottled Gray (*Smooth Surface*), and Mottled Green (*Rough Texture*). This style of shingle is also available in Mottled Blue-Black and Mottled Red as shown in plates 3 and 5, but without the textured surface.

See pages 6 and 7 for description of Dutch Lap and Hexagonal Method Shingles.



Above—PLATE 6
Below—PLATE 7

J-M BRICK-TYPE and Nos. 110, 120 and 130 SIDING SHINGLES

In the Brick-type Asbestos Siding illustrated in full color, at the left, Johns-Manville has combined the permanence of its asbestos roofing shingles with the colorful beauty of wire-cut brick. This type of siding is available in RED, MULBERRY and BUFF.

The No. 110, 120 and 130 Shingles are all available in the following colors and textures:

MOTTLED GRAY (*Smooth*) Plate 4.
MOTTLED RED (*Smooth and Rough*) Plate 5.
MOTTLED BLUE-BLACK (*Smooth and Rough*) Plate 3.
MOTTLED GREEN (*Rough*) Plate 7.
COPPER (*Smooth*) Plate 6.
PLAIN GRAY (*Rough*) Plate 8.

See pages 10 and 11 for description of J-M Asbestos Siding Shingles.

PLATE 8

J-M ASBESTOS SIDING SHINGLES

Siding constructed of J-M Asbestos Shingles is permanent and fireproof, for these shingles will not rot, corrode, or split. Neither will they burn. Moreover, when used for re-siding work, they can easily be applied right over the old wood siding, thereby saving the expense of tearing off the old material.

When used in combination with a roof of J-M Asbestos Shingles, they complete the protection of the home on all sides from fire, weather and deterioration.

No more bills for painting the siding on this home. At low cost J-M No. 110 Asbestos Siding Shingles have put an end to siding deterioration.

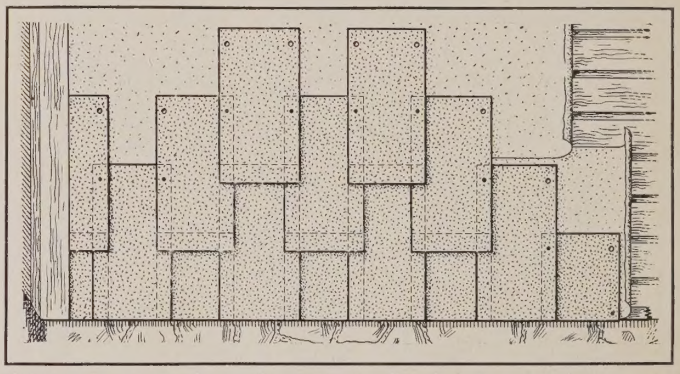
J-M No. 110 SIDING SHINGLE

The J-M No. 110 Siding Shingle is a recent addition to the J-M line—a shingle that has proved itself immensely popular for low-priced re-siding work. Not only are the shingles themselves economical in price, but the small number required per square means low application cost. In addition to these features is the attractive pattern which the shingles create.

Colors:

MOTTLED GRAY MOTTLED RED MOTTLED GREEN
COPPER MOTTLED BLUE-BLACK PLAIN GRAY

See bottom of page 9 for detailed color information.



This drawing shows why the No. 110 Siding Shingle is so economical to apply.

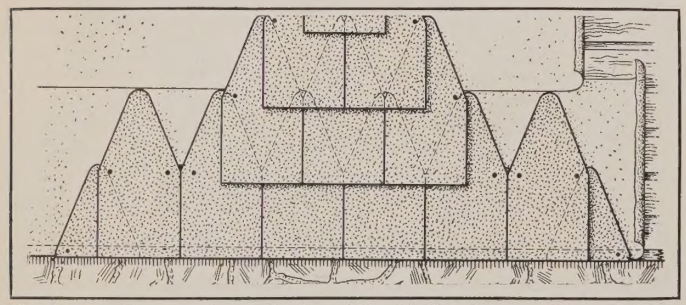
J-M No. 120 SIDING SHINGLE

The J-M No. 120 Siding Shingle gives exactly the effect of the American Method style, but the design of the shingle conserves material in manufacture and therefore makes the shingle lower in price.

Colors:

MOTTLED GRAY MOTTLED RED MOTTLED GREEN
COPPER MOTTLED BLUE-BLACK PLAIN GRAY

See bottom of page 9 for detailed color information.



The diagram illustrates the application of No. 120 Shingles over old wood siding.

With a roof of J-M No. 30 Dutch Lap Asbestos Shingles, and siding of No. 120 Asbestos Shingles, this charming little home will never require painting on either roof or walls.

J-M No. 110 Siding Shingles—Size, 7⅞″ x 16″. Head-lap 2″; side-lap 1½″. 162 pieces per square, packed in 6 bundles of 27 each. Weight, approximately 270 lbs. per square. 2½ lbs. 2″ galvanized nails required per square for re-siding. No special starters required.

J-M No. 120 Siding Shingles—Size, 8″ x 16″. 1″ head-lap; exposure 7½″ to weather. 240 pieces per square, packed in 8 bundles of 30 each. Weight, approximately 330 lbs. per square. 3½ lbs. of 2″ galvanized nails required per square for re-siding. No special starters required.

The unbroken horizontal lines and relatively small exposure of the No. 130 Siding Shingle provide the structural effect of clapboards—but without the necessity for painting or periodic upkeep expense.

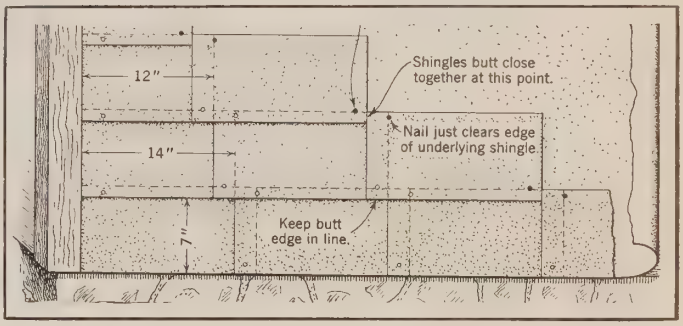
J-M No. 130 SIDING SHINGLE

The J-M No. 130 Siding Shingle applies the economical Dutch Lap principle to siding use. It is fast-laying and self-aligning, and usually requires no furring. Its small size does away with the need for anchors or fasteners, so that the application is quick, simple and very economical.

Colors

MOTTLED GRAY MOTTLED RED MOTTLED GREEN
COPPER MOTTLED BLUE-BLACK PLAIN GRAY

See bottom of page 9 for detailed color information.



The diagram at the right shows the first three courses of a No. 130 Siding Shingle job, and indicates the method of establishing correct side lap.

J-M BRICK-TYPE ASBESTOS SIDING

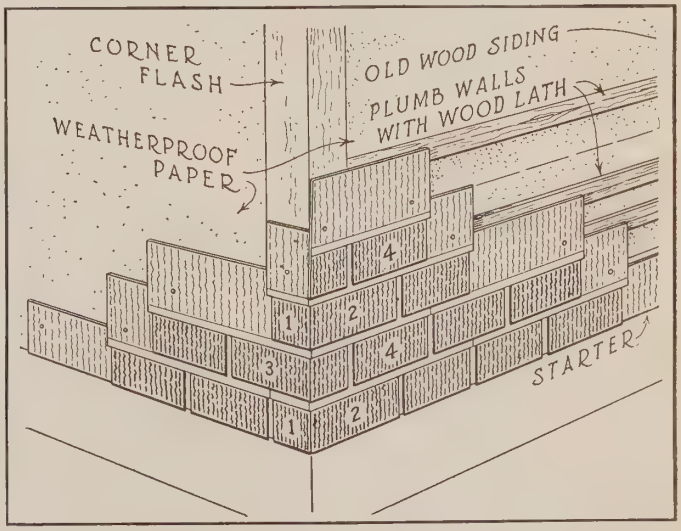
Once a frame home requiring periodic painting, this dwelling is now to all appearances a brick residence. The last bill for painting the walls has been paid!

A two-tab shingle in colors and design that give the effect of genuine wire-cut brick. Easily gives any frame building improved appearance, permanence and freedom from upkeep.

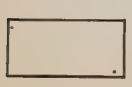
Colors:

RED MULBERRY BUFF

See page 8 for color reproduction.



This diagram illustrates both the method of applying Brick-type Siding Shingles and the method of finishing an outside corner.

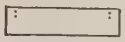
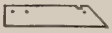
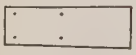
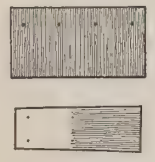
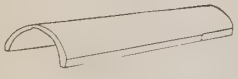


No. 130 Siding Shingle—Size, 7⅞″ x 16″. Head-lap, 1″; side-lap 2″. 150 shingles per square, packed in 6 bundles of 25 each. Weight, approximately 250 lbs. per square. 2½ lbs. of 2″ galvanized nails required per square. No starters required.

Brick-type Asbestos Siding—Size, 8⅛″ x 16¼″. Brick size 3 1/16″ x 7⅝″ with ⅛″ mortar lines. Weight, approximately 440 lbs. per square. 4 lbs. of 2″ galvanized nails per square. Use Brick-type Starters (see page 12), or full-size pieces with brick portion cut off.

STARTERS, RIDGE ROLL AND ACCESSORIES

SPECIAL NOTE—Weights are for shingles bundled. Crated weights about 6% more.

Style	Description and Catalog Number	Colors	Approx. wt. per 100 lineal feet
	**No. 17—STARTER**—For use with No. 70 Hexagonal Shingles. 75 pieces per 100 lineal feet. Packed 15 pieces per bundle. Size 4″x16″.	Mixed Colors.....	63
	**No. 31—EAVES STARTER**—For use with No. 30 Dutch Lap Shingles. 99 pieces per 100 lineal feet, with ¼ side-lap. Packed 15 per bundle.	Mixed Colors.....	60 with ¼ side-lap
	No. 71—EAVES SHINGLE—For use with No. 70 Hexagonal Shingles. 58 pieces per 100 lineal feet. Packed 15 pieces per bundle. Each eaves shingle is $20\frac{15}{16}$″ wide.	Mottled Gray..... Mottled Red..... Mottled Blue-black . Mottled Green.....	112
	**No. 97—HIP AND RIDGE SHINGLE**—For use with No. 30 or No. 70 Shingles. Cut from same stock as body shingle. Size $4\frac{19}{32}$″ to $5\frac{11}{32}$″ wide by 16″ long. 340 shingles per 100 lineal feet. Packed 17 pieces per bundle.	Mottled Gray..... Mottled Red..... Mottled Blue-black . Mottled Green..... Copper.....	375
	No. 36 STARTER and No. 37 HIP AND RIDGE SHINGLE—For use with No. 35 Shingles. Cut from the same stock as No. 35 Shingles. No. 36 Starter is 9½″ x 17″, tapered to ¼″ butt, requiring 72 pieces per 100 lineal feet; packed 18 pieces per bundle. No. 37 Hip and Ridge Shingle is $4\frac{19}{32}$″ to $5\frac{11}{32}$″ wide, by 16″ long, requiring 340 pieces per 100 lineal feet; packed 17 shingles per bundle.	No. 36 Starter— Mixed Colors..... No. 37 Hip and Ridge Shingle—same colors as main body Shingles.	225 465
	**No. 56 STARTER and No. 57 HIP AND RIDGE SHINGLE** — For use with No. 55 Salems. Cut from same stock as Salems. No. 56 Starter is 9½″ x 17″, tapered to $\frac{5}{16}$″, requiring 72 pieces per 100 lineal feet. 10 shingles per bundle. No. 57 Hip and Ridge Shingle is $4\frac{19}{32}$″ to $5\frac{11}{32}$″ wide by 16″ long. 340 shingles per 100 lineal feet; packed 10 shingles per bundle.	No. 56 Starter— Mixed Colors..... No. 57 Hip and Ridge Shingle—same colors as No. 55 Salems....	240 510
	BRICK-TYPE STARTER — For use with Brick-type Asbestos Siding. 75 pieces per 100 lineal feet. Packed 25 pieces per bundle. Size, $4\frac{9}{16}$″ x 16¼″.	Gray.....	75
	**RIDGE ROLL**—93 sections required per 100 lineal feet. Packed in crates of 33 sections each at Manville and Waukegan; and in crates of 31 sections each at Gretna.	Gray..... Red..... Blue-black..... Green..... Copper.....	372

GALVANIZED NEEDLE-POINT NAILS—Specially made for use with asbestos shingles. Recommended in place of ordinary galvanized nails. See previous pages for quantities and sizes for each type of shingle.

COPPER CLINCHERS—The new fastening device developed by Johns-Manville. Saves time in application. Used only with No. 30 Shingles. One required for each shingle. For description of application refer to page 7.

COPPER STORM ANCHORS—For use with No. 70 Shingles only. One required for each shingle.

COPPER RIDGE ROLL FASTENERS—For use in fastening the exposed end of ridge roll. One required for each piece of ridge roll.

J-M Asphalt Shingles, with their beauty of color and blending, are an asset to every home on which they are used, and a source of pride to the owner. Not only are they beautiful—but they are also fire-resistant and free from periodic maintenance costs. These items must be considered in connection with every home, whether built with re-sale in mind or intended for permanent residence.

JOHNS-MANVILLE ASPHALT SHINGLES

Second only to J-M Asbestos Shingles are J-M Asphalt Shingles. They are made on a felt base which is thoroughly saturated and coated with weather-proof asphalt, then surfaced with crushed slate or minerals making a roof that is durable, fire resistant and colorful. The unsurpassed range of colors and blends in which J-M Asphalt Shingles are obtainable makes it easy to select a roof to harmonize with any desired color scheme.

With square-butt, hexagonal and individual styles in a variety of weights and sizes, the J-M line of asphalt shingles meets practically every demand that can be put upon it for pattern and price.

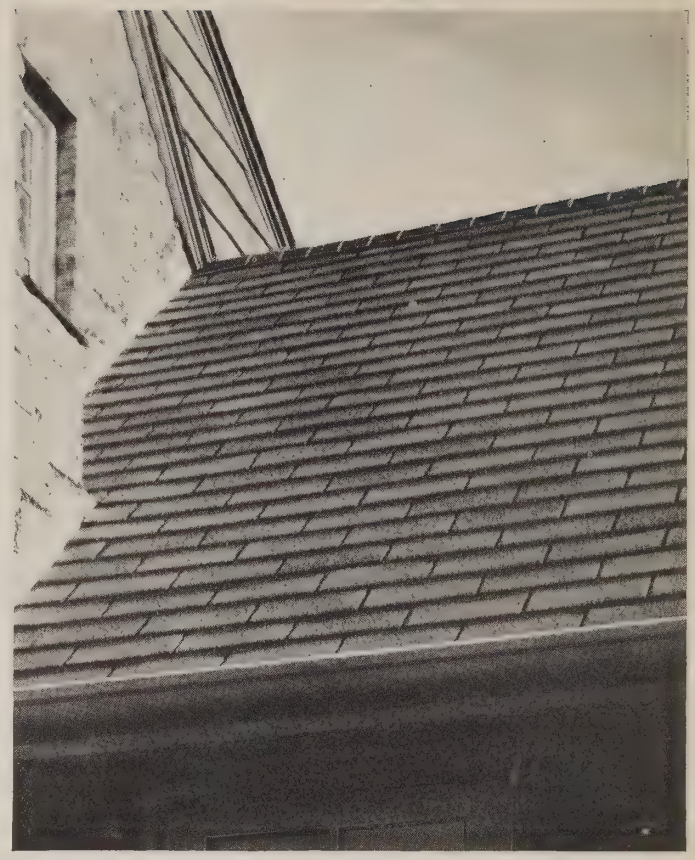
A feature of this outstanding line is a new green granule, which meets the demand for a really green roof. Found unblended in Charmaine Green shingles, this new granule is also used wherever bright green appears in the J-M blends.

J-M Asphalt Shingles are suitable for all pitched roofs and for siding work, and require no painting or periodic repairs. In addition to the standard styles, there is also the J-M Bric-side Shingle, which has the effect of real brick.

The use of J-M Asphalt Shingles over the entire roof and wall area provides long years of protection for the whole home, plus freedom from upkeep costs.

SQUARE-BUTT STRIPS and INDIVIDUALS

The J-M line of Asphalt Shingles includes, among other styles, square-butt strips and individual shingles. Both are made in giant and standard weights, in a variety of attractive solid colors and blends, all of which are illustrated on pages 16 and 17.



J-M Thick-Butt Strips

A feature of the J-M line of Asphalt Shingles is the Thick-Butt — undoubtedly one of the most outstanding values ever offered in asphalt shingles. It has three distinctive advantages: sealed edges, more weather-proof material on the exposed tabs, and heavier butts, yet it costs but little more.

Sealed edges. The sealed edges mean longer life, for a second coating of asphalt and slate completely envelops each tab, sealing in the life-giving asphalt saturant.

Greater thickness. Scientifically designed, with greater thickness on the exposed tab, this shingle gives much greater protection, yet weighs little more than ordinary asphalt shingles.

Heavier butts. The extra-thick butts throw heavy shadow lines, which emphasize the roof pattern and impart a rugged character under all conditions—an advantage not found in other types of asphalt shingles.

THICK-BUTT SHINGLES —Butts re-dipped and slate-surfaced on both sides, providing extra thickness and sealing the edges. Size, 12″ x 36″. Exposure, 5″; head-lap, 2″. 80 strips per square, packed in 3 bundles. Weight, approximately 230 lbs. per square. *Underwriters' Class C label.*

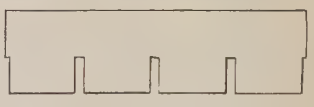
Available in Charmaine Green, Tile Red, Blue-black, Killarney Greens, Blended Romany Reds and Granada Blend.

GIANT STRIP SHINGLES —Cut from high-quality giant weight fabric. Moderate in price and economical to apply. Size, 12″ x 36″. Exposed 5″; head-lap, 2″. 80 shingles per square, packed in 3 bundles. Weight, approximately 245 lbs. per sq. *Underwriters' Class C label.*

Available in Charmaine Green, Blue-black, Tile Red, Blended Romany Reds, Blended Normandy Greens, and Brittany Blend.

STANDARD 12½″ STRIP SHINGLES — Provide double coverage, with a 4½″ head-lap. Exposure, 4″. Size, 12½″ x 36″. 100 shingles per square, packed in 3 bundles. Weight, approximately 250 lbs. per square. *Underwriters' Class C label.*

Available in Charmaine Green, Standard Red, Tile Red, Blue-black and Brittany Blend.



STANDARD 10″ STRIP SHINGLES — Provide a low-cost roof. Size, 10″ x 36″. 2″ head-lap, 4″ exposure. 100 shingles per square, packed in 2 bundles. Weight, approximately 200 lbs. per square. *Underwriters' Class C label.*

Available in Charmaine Green, Standard Red, Blue-black, Tile Red, Blended Normandy Greens, Blended Romany Reds, and Brittany Blend.

RANDOM TAB SHINGLES —A new design strip shingle, giving random-width, custom-laid effect of unusual beauty and design at low cost. Size, 10″ x 36″. Exposure, 4″; head-lap, 2″. 2 bundles, 100 strips per square. Weight, approximately 165 lbs. per square.

Available in Charmaine Green, Tile Red and Blue-black.

LATCH THATCH SHINGLES—A lock type re-roofing shingle of new and distinctive design, providing a wide range of effects. Size, 12″ x 18″. Maximum exposure, 9½″ x 15″. 102 shingles per square, packed in 2 bundles. Weight, approximately 135 lbs. per square. *Underwriters' Class C label.*

Available in Charmaine Green, Tile Red, Blue-black and Burgundy Duo-blend.

GIANT INDIVIDUAL SHINGLES—American Method Shingles of the highest quality. Size, 12″ x 16″. 5″ exposure, 6″ head-lap. 225 shingles per square, packed in 4 bundles. Weight, approximately 315 lbs. per square. *Underwriters' Class C label.*

Available in Charmaine Green, Blue-black, Tile Red, Blended Romany Reds and Brittany Blend.

STANDARD INDIVIDUAL SHINGLES—Size, 9″ x 12¾″. Exposed 4″. 4¾″ head-lap. 378 shingles per square, packed in 4 bundles. Weight, approximately 245 lbs. per square. Also used for covering hips and ridges. *Underwriters' Class C label.*

Available in Charmaine Green, Standard Red, Blue-black, Tile Red and Brittany Blend.

HEXAGONAL STRIPS

J-M Hexagonal Shingles, being made in a number of sizes and in both giant and standard weights, offer a wide choice in the selection of a durable, fire-resistant roof to meet any requirement of price or personal preference.

These attractive strip shingles are notched and keyed for easy application. This feature, together with the low cost of the shingles, themselves, makes roofs of J-M Hexagonal Asphalt Shingles unexcelled for economy; while their attractive design and colorful beauty recommend them for use on many types of homes.

Colors:

The following colors and blends are found in the Hexagonal style. Refer to the description of each shingle for the colors in which it is available.

CHARMAINE GREEN	BLENDED ROMANY REDS
STANDARD RED	BLENDED NORMANDY GREENS
BLUE-BLACK	PICARDY DUO-BLEND
TILE RED	GASCONY DUO-BLEND
BRITTANY BLEND	BURGUNDY DUO-BLEND

All colors and blends are illustrated on pages 16 and 17.

STANDARD 11⅓″ HEXAGONAL—An economically-priced standard weight shingle. Size, 11⅓″ x 36″. 4⅔″ exposure. 2″ head-lap. 86 strips per square packed in 2 bundles. Weight, approximately 160 lbs. per sq. *Underwriters' Class C label.*

Available in Charmaine Green, Standard Red, Blue-black, Tile Red, Blended Normandy Greens, Blended Romany Reds, Brittany Blend, and Burgundy, Gascony and Picardy Duo-blends.

GIANT HEXAGONAL SHINGLES—A popular shingle, made of giant weight material. Size, 12⅓″ x 36″. 4⅔″ exposure. 3″ head-lap. 86 strips per square packed in 3 bundles. Weight, approximately 225 lbs. per square. *Underwriters' Class C label.*

Available in Charmaine Green, Blue-black, Tile Red, Blended Romany Reds, Blended Normandy Greens and Brittany Blend.

STANDARD 12⅓″ HEXAGONAL—Exactly the same size and shape as the Giant Hexagonal, but of standard weight material. Size, 12⅓″ x 36″. 4⅔″ exposure. 3″ head-lap. 86 strips per square packed in 2 bundles. Weight, approximately 175 lbs. per square. *Underwriters' Class C label.*

Available in Tile Red, Charmaine Green, Blue-black and Blended Romany Reds.

STANDARD 12½″ DOUBLE COVERAGE HEXAGONAL—a full double-coverage shingle cut from standard weight material. Size, 12½″ x 36″. 4″ exposure. 4½″ head-lap. 100 strips per square packed in 3 bundles. Weight, approximately 220 lbs. per square. *Underwriters' Class C label.*

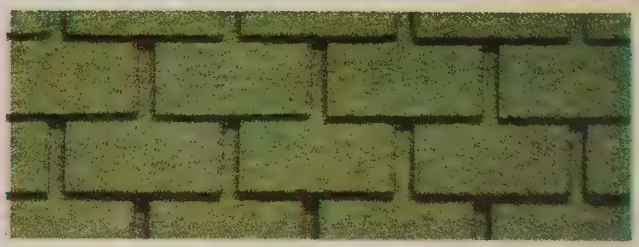
Available in Charmaine Green and Tile Red.

J-M Hexagonal Asphalt Shingles—durable, fire-resistant, easy to apply and attractive in color — protection combined with beauty, at low cost.

THESE ARE THE BEAUTI
OF JOHNS-MANVILLE

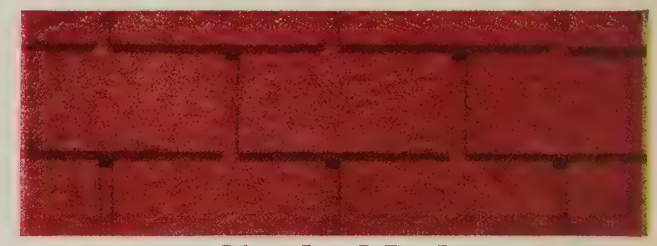
Killarney Greens

An exceedingly attractive blend of soft greens. Looks well on practically every type of home. *Available in Thick-Butt Strips only.*



Charmaine Green

The new brighter, livelier J-M shade. *Available in all styles.*

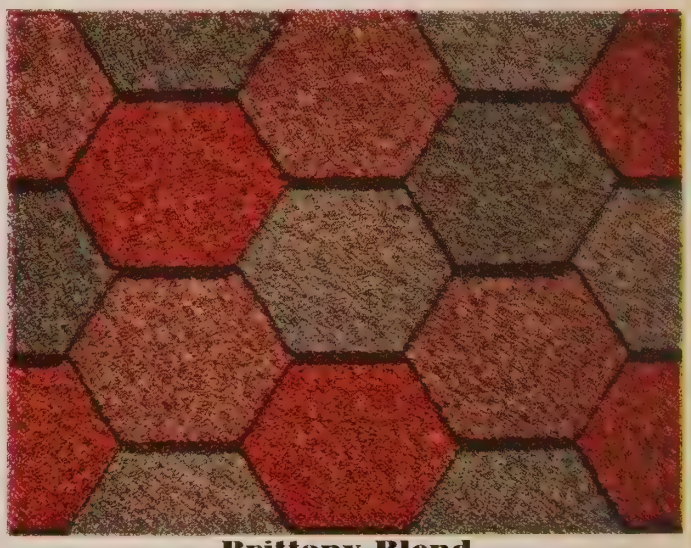


Standard Red

Available in Standard 11⅓" Hexagonal, Standard 10" and 12½" Square-Butt Strips and Standard Individual.

Blended Normandy Greens

Four shades of green that resemble variegated slate. *Available in Giant Hexagonal, Standard 11⅓" Hexagonal, Giant Square-Butt Strips and Standard 10" Square-Butt Strips.*



Brittany Blend

Four pleasant, closely blended shades. *Available in Giant and Standard 11⅓" Hexagonals, Standard 10" and 12½" Square-Butt Strips, Giant Square-Butt Strips, and Giant and Standard Individuals.*

Blended Romany Reds

Available in Giant Hexagonal, Standard 12⅓" Hexagonal, Standard 11⅓" Hexagonal, Thick-Butt Strips, Giant Individual, Giant and Standard 10" Square-Butt Strips.

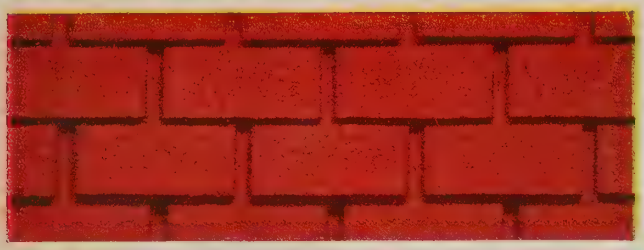
BLEND NO. 1—BLACK JOINT

Two J-M Br

See page 18 for full de
sidin

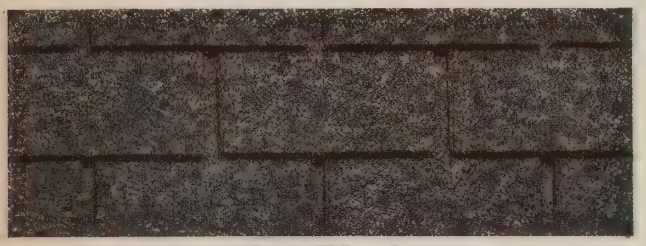
IMPORTANT: The majority of the above colors and styles are available from all our producing points. However, there are some that are not manufactured in certain areas. To avoid disappointment, consult your dealer before final selection.

UL COLORS AND BLENDS ASPHALT SHINGLES



Tile Red

Adds life to any home on which it is used. *Available in all styles.*

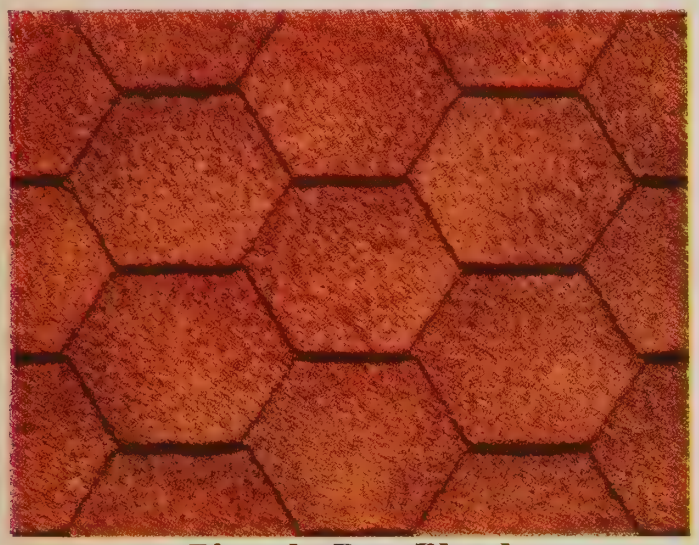


Blue-Black

Gives the home the dignified appearance of a slate roof. *Available in all styles except 12½" Double Coverage Hexagonal.*

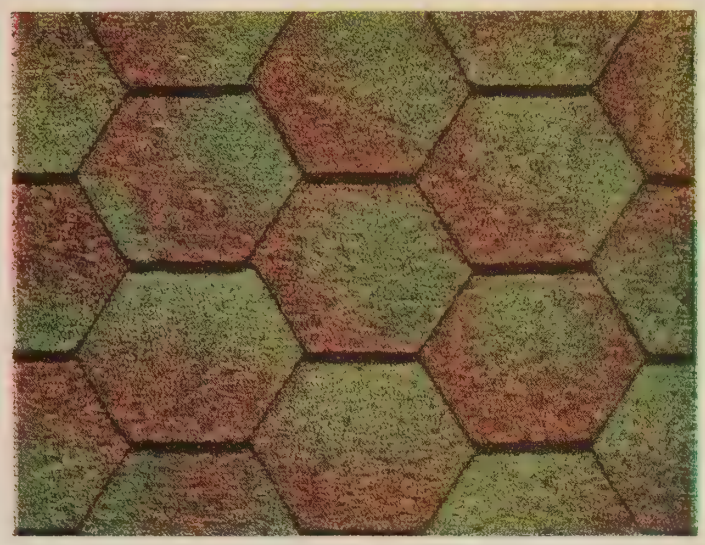
Burgundy Duo-Blend

Goes well with small, cozy homes. *Available in Latch Thatch and Standard 11⅓" Hexagonal styles. (Latch Thatch illustrated.)*



Picardy Duo-Blend

Its warm brown and yellow tones are particularly well suited to half-timbered or stucco construction. *Available in Standard 11⅓" Hexagonal style only.*



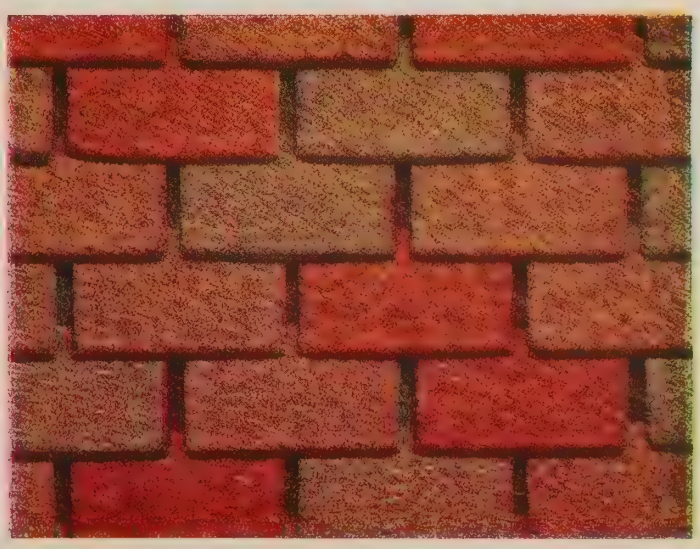
Gascony Duo-Blend

A green-and-gray mixture that goes well on a house with light-colored walls. *Available in Standard 11⅓" Hexagonal style only.*

-Side Blends

ption of these attractive ingles.

BLEND NO. 3—CREAM JOINT



Granada Blend

An adaptation of Brittany Blend, which for years has been one of the most popular Johns-Manville blended effects. *Available in Thick-Butt style only.*

SEE PAGES 14, 15 AND 18 FOR FULL INFORMATION REGARDING VARIOUS STYLES.

J-M ASPHALT SHINGLES FOR SIDING

Because they do not require periodic painting or repairs, and are also low in cost, Johns-Manville Asphalt Shingles have found wide acceptance by home owners and landlords for siding as well as for roofing.

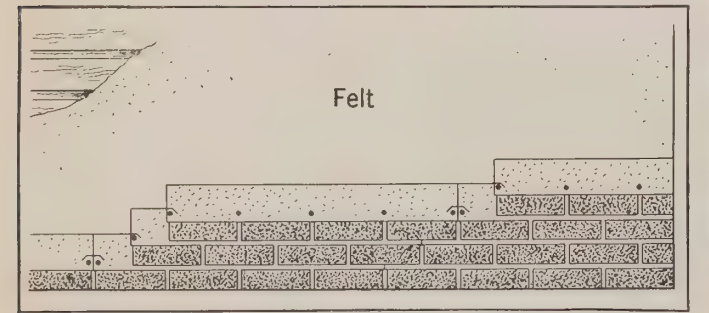
In addition to its regular line of roofing shingles, Johns-Manville makes a special design for siding, known as Bric-Side Shingles, which can be applied right over the old wood siding without the labor and expense of tearing off the old material.

From just an ordinary frame house into a "brick" residence—that is the story told by these two pictures. J-M Bric-Side Asphalt Shingles, applied right over the old clapboards provide the appearance of a new home, with freedom from periodic upkeep costs.

J-M BRIC-SIDE

J-M Bric-Side Asphalt Shingles at once give any frame building the desirable appearance of brick. Like J-M Asphalt Roofing Shingles, these special siding shingles are made on a base of selected felt, which is saturated and coated with refined asphalt and then coated with slate. In addition to this slate surfacing, however, there is a second, heavier surfacing of asphalt and colorful slate or minerals on the exposed tabs. As a result, when the shingles are applied, they give the effect of brick actually protruding from black or cream mortar. This extra thickness on the tabs naturally provides a greater measure of protection.

Soldier courses, representing bricks standing on end, are also available for decorative treatment around windows and doors. Specially constructed corner pieces, matching the shingles, assure neat, strong corners.



Application detail of J-M Bric-Side Shingles

The same remarkable transformation which was accomplished by re-siding the farm house shown above can be made in the city, as well, as is shown in the illustration below.

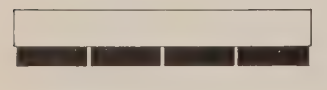
J-M BRIC-SIDE COLORS:

J-M Bric-Side Asphalt Shingles are available in the following variety of blends and solid colors, with "mortar" joints in black or cream as noted:

No. 1—Blend . Black or cream joint
No. 2—Tile Red . Black or cream joint
No. 3—Blend . Cream joint
No. 4—Buff . . . Black joint

Color illustrations of Blends No. 1 and 3 are shown on pages 16 and 17.

The owner of this apartment building not only has made his property outstanding in appearance, but has also done away with periodic maintenance expense for siding upkeep.



J-M Bric-Side—Size, 7.1″ x 36″. Exposure 3″; headlap 1.1″. 131 strips per square, packed in three bundles. Approximate weight per square: Single-dipped 210 lbs.; Double-dipped, 230 lbs.

Soldier courses—Size, 12″ x 36″. 45 pieces per square, packed in two bundles. Approximate weight, 150 lbs. per square. Available in same colors as Bric-Side Shingles.

Corner strips—Size, 7.1″ x 13¼″. Furnished 50 pieces per carton (25 rights and 25 lefts). Approximate weight, 40 lbs. per carton. Available in same colors as Bric-Side Shingles.

J-M READY-TO-LAY ROOFINGS

For every roof or service condition, where ready-to-lay roofings can be used, Johns-Manville manufactures a suitable, high-quality material at a reasonable price.

These products are a result of the experience we have gained through nearly a half-century of roofing manufacture. They range from materials designed to protect temporary buildings, up to weather-proof, highly fire-resisting asbestos roofings for use on permanent structures of all types.

Asbestos Roofings

J-M Asbestos Roofings are all made on a base of imperishable asbestos felts, impregnated with high-grade asphalt. They come in a variety of styles and in various thicknesses or plies: slate surfaced, where color is desired; White Top for light reflection or outstanding appearance; plain black for utility; some in rolls, others in sheets—but all built on a base of J-M Asbestos Felt.

The fire-resisting qualities and unusually long life of the Asbestos Roofings have made them particularly acceptable for use on farm and industrial buildings, and in all other places where dependable protection from the weather and roof-communicated fires is essential.

Asphalt Roofings

In addition, Johns-Manville also manufactures durable Asphalt Roofings, which are made on a base of asphalt-impregnated rag felt. This line includes mineral surfaced roofing in a variety of weights and styles, three grades of smooth-surfaced roofing, starting strips, etc.—all meeting the high standards of J-M quality.

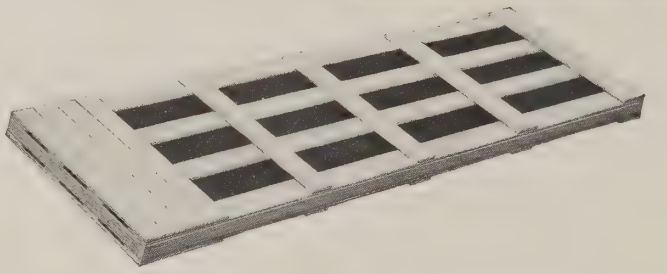
Whatever the selection may be, the user is assured of a product made to the same high standards as all the other well-known Johns-Manville building materials.

ASBESTOS READY ROOFINGS

J-M Asbestos Ready Roofings provide, in a most economical and durable form, fireproof, weatherproof protection, for use especially on farm and industrial buildings, and all other structures which require the best ready roofing which can be obtained.

Whether used with the smooth or the slate surface or with the white top ply, they give the fullest measure of protection, because each style is built on a base of permanent, fire-resisting asbestos felt.

A variety of weights and colors makes it possible to select a suitable roof for every type of service.



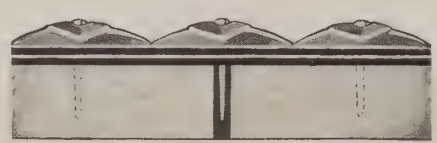
FLEXSTONE SMOOTH-SURFACED ASBESTOS ROOFING—A high-grade, smooth-surfaced roofing consisting of plies of asphalt-saturated asbestos felt, cemented together with asphalt. This built-up construction insures unusually long life and service. Crated in flat sheets measuring 32″ x 80″. Packed with or without nails and cement or with Zinc Pyramid Kaps, as specified. Made in two weights—Heavy (3-ply) and Extra Heavy (4-ply). Heavy weight shipped in 5-sq. crates. Material weighs approximately 66 lbs. per square, including nails, cement and butt lap strips. Shipping weight, crated, approximately 80 lbs. per square. Extra Heavy shipped in 4-square crates. Material weighs approximately 83 lbs. per square, including nails, cement and butt lap strips. Shipping weight, crated, approximately 98 lbs. per square.

FLEXSTONE SLATE-SURFACED ASBESTOS ROOFING—Heavy, asphalt-impregnated asbestos felt, surfaced on one side with slate, in red, green or blue-black. Used on steep-roofed buildings where color is desired. Packed in 1-square rolls. Rolls are 32″ wide, with 2″ selvage. Weight approximately 90 lbs. per square, including nails, cement and butt lap strips. Also furnished with Zinc Pyramid Kaps, or without nails and cement, as specified. *Underwriters' Class B label.*

WHITE TOP ASBESTOS ROOFING—Plies of asphalt-impregnated asbestos felt, cemented together with asphalt, with a top ply of white (unimpregnated) asbestos felt. Used where a white, light-reflecting surface is desired. Supplied in three weights: Standard (3-ply), Heavy (3-ply) and Extra Heavy (4-ply). Standard weight shipped in 1 or 2-square rolls, 32″ wide, weighing approximately 55 lbs. per square, including nails, cement and butt lap strips. Heavy weight shipped in 1 or 2-square rolls, 32″ wide, weighing approximately 63 lbs. per square including nails, cement and butt lap strips. Extra Heavy weight shipped in sheets, 32″ x 80″. 6 sheets per square, 4 squares per crate. Material weighs approximately 83 lbs. per square, including nails, cement and butt lap strips. Shipping weight, crated, approximately 98 lbs. per square.

ASBESTOS SLATERS FELT—For sheathing houses and as a liner under asbestos shingles, tile or slate. Made of high-grade asbestos felt saturated with asphalt. Shipped in 3-square rolls, 32″ wide, weighing approximately 45 lbs. per roll.

Ordinary Nailing



With Pyramid Kaps

ZINC PYRAMID KAPS—A non-corroding device for making roll roofing laps weather-and-water-tight. Applied continuously along the laps, they exert a strong, positive and evenly distributed pressure. Laps cannot buckle, pucker or tear away. Illustrations compare the action of Pyramid Kaps with ordinary nailing. Furnished with roofing, when specified, in strips approximately 14″ long.

ASPHALT READY ROOFINGS

In the line of J-M Asphalt Ready-to-lay Roofings are found materials suited for use on permanent, steep-roofed buildings, on residences, and on all temporary and semi-permanent structures.

This line offers a wide choice of weights, a selection between smooth and slate surfacing, and a choice of colors, so that every demand can be met for a quality roof that is durable and attractive—yet is low in cost and suited to the length and type of service expected of it.

SLATEKOTE ROOFING—A slate-surfaced roofing of highest quality, furnished in a variety of pleasing colors. Makes colorful roofs at low cost. Packed in 1-square rolls, 36″ wide. 2″ selvage. Weight, approximately 85 lbs. per square. Nails and cement included with roofing. *Underwriters' Class C label.*

Colors: Red, Green, Charmaine Green, Blue-black, Tile Red.

PILOT ROOFING—A smooth-surfaced roofing of the highest quality. Recommended for all permanent, steep-roofed buildings. Packed in rolls, 36″ wide, containing 108 square feet. Furnished in three weights:

Medium—Approx. 45 lbs. per square.
Heavy—Approx. 55 lbs. per square.
Extra Heavy—Approx. 65 lbs. per square.

Packed with galvanized nails and cement. *Underwriters' Class C label.*

SLATEKOTE DIAMOND POINT AND MODERNEDGE ROOFING—Very popular for re-roofing, because of its interesting pattern and pleasing colors. Packed in rolls, 32″ wide, covering 100 square feet of roof area. Weight, approximately 100 lbs. per roll. Packed without nails or cement. *Underwriters' Class C label.*

Colors: Diamond Point Roofing—Red, Green, Charmaine Green, Blue-black, Variegated.
Modernedge — Mossfield, Redfield, Blendfield.

SERVICE ROOFING—A medium grade of roofing, second only to Pilot. Will serve well on sheds, shops and out-buildings. Packed in rolls, 36″ wide, containing 108 square feet. All weights packed with nails and cement. Furnished in four weights:

Light—Approx. 35 lbs. per square.
Medium—Approx. 45 lbs. per square.
Heavy—Approx. 55 lbs. per square.
Extra Heavy—Approx. 65 lbs. per square.
Heavy and Extra Heavy weights carry Underwriters' Class C label.

SPLIT-SHEET SLATEKOTE ROOFING—Provides a colorful, semi-built-up roof of long life, at low cost. Also used as a cap sheet for built-up roofing, where color is desired. Packed in 1-square rolls, 36″ wide. 19″ selvage. Covers 51 square feet of weather area per roll. Weight approximately 55 lbs. Packed without nails and cement. *Underwriters' Class C label.*

Colors: Red, Green, Blue-black.

PLANET ROOFING—A good grade of smooth-surfaced roofing, recommended for temporary buildings and miscellaneous uses. Packed in 1-square rolls, 36″ wide. Furnished in three weights with nails and cement:

Light—Approx. 35 lbs. per square.
Medium—Approx. 45 lbs. per square.
Heavy—Approx. 55 lbs. per square.

TUFTEX ROOFING—A good grade of slate-surfaced roofing. Furnished in 1-square rolls, 36″ wide, 2″ selvage edge. Packed with galvanized nails and cement. Furnished in three colors: Red, Green, Blue-black.

SLATEKOTE STARTING STRIPS—Standard Slatekote Roofing cut in strips for starting shingles, lining valleys and covering hips and ridges. Packed, without fixtures, in rolls, 36 feet long, in the following widths and weights: 9″ wide—21 lbs. per roll; 12″ wide—28 lbs. per roll; 24″ wide—56 lbs. per roll. Furnished in Red, Green, Blue-black, Tile Red, Charmaine Green.

J-M BUILDING ACCESSORIES

The construction of every building requires the use of certain accessory materials, such as sheathing paper, slaters' felt, tarred felt, deadening felt, etc.

Johns-Manville provides a complete line of these materials, making it possible to obtain from the one dependable source, a very large part of the total requirements for any building — each material backed by over half a century of experience in the manufacture of building materials.

From the J-M products listed below, a suitable material can readily be selected to meet any requirement of service or price.

HOUSE SHEATHING—A heavy weight sheathing, made of prepared roofing, saturated and coated. 36″ wide. Packed in rolls containing 200 square feet, weighing approximately 60 lbs. per roll. No nails or cement furnished.

ASBESTOS SLATERS FELT—For sheathing houses and as a liner under asbestos shingles, tile or slate. 32″ wide. Made of high-grade asbestos felt, saturated with asphalt. Furnished in rolls containing three squares, and weighing approximately 45 lbs. per roll.

ASPHALT FELT—An asphalt-saturated rag felt used as a liner under shingles, slate or tile, and as a sheathing. 36″ wide. Furnished in three weights: 12, 15 and 30 lbs. per sq. 12-lb weight furnished in rolls containing 432 sq. feet, weighing approximately 52 lbs. 15-lb. weight furnished in rolls containing 432 sq. feet, weighing approximately 65 lbs. 30-lb. weight furnished in rolls containing 216 sq. feet, weighing approximately 65 lbs.

IMPROVED WEATHERTITE BUILDING PAPER—A new type of building paper that is stronger, though lighter in weight. Waterproof, weatherproof; will not crack or bleed. Odorless and vermin-proof. 36″ wide. Furnished in rolls containing 500 sq. feet. Standard weight, approximately 13 lbs. per roll; medium weight, 17 lbs. per roll; heavy weight, 25 lbs. per roll.

REINFORCED BUILDING PAPER—Two plies of kraft paper, cemented together and reinforced with a ½-inch mesh of strong cord. Waterproof, windproof, cannot tear. Furnished in 36″ rolls, containing 500 square feet, and weighing approximately 30 lbs. per roll.

TARRED SLATERS FELT—An inexpensive tarred sheathing, used as a liner under roofs and on the walls of houses, barns and sheds. 36″ wide. 500 square feet per roll. Weight approximately 30 lbs. per roll.

TARRED THREAD FELT—A tarred, waterproof, sheathing felt, with 9 threads running lengthwise of the sheet to prevent tearing. It is waterproof, wind-proof and does not rot. 36″ wide. In rolls of 250 square feet, weighing approximately 21 lbs., and in rolls of 500 square feet weighing approximately 42 lbs.

No. 2 TARRED SHEATHING—A high-grade, waterproof, tarred sheathing felt. Windproof, moisture-proof, does not rot. 32″ wide. Furnished in rolls containing 432 sq. feet and weighing approximately 65 lbs.

ROSIN-SIZED SHEATHING PAPER—An inexpensive red sheathing paper, for sheathing houses, protecting new woodwork, etc. Furnished in weights of 4, 5 and 6 lbs. per 100 square feet; approximately 20, 25 and 30 lbs. per roll of 500 square feet.

BLUE PLASTER BOARD—A heavy weight, dry sheathing paper, colored light blue, used for lining walls in inexpensive house construction, and also as a sheathing paper. 36″ wide. Furnished in rolls of 250 and 500 square feet, weighing approximately 30 and 60 lbs. respectively.

DEADENING FELT—High quality unsaturated rag felt for use in walls and floors to keep out sounds and drafts. Also used under linoleum. 36″ wide. Made in two weights: 1 lb. and 1½ lbs. per square yard. Approximately 450 square feet per roll. Weight per roll: approximately 50 lbs. for 1-lb. felt and approximately 75 lbs. for 1½-lb. felt.

J-M Type B "bats" will stay in vertical installations without fastening. The illustration shows the method of tying in the bats with wire under pitched roofs.

J-M HOME INSULATION

—from 3 to 8 times as effective as other insulating materials— yet costs no more

J-M Home Insulation is, first of all, a thick insulation—three to four inches of rock wool, a permanent, vermin-proof, rot-proof, odorless material that absolutely will not burn. Used in old or new homes, it reduces fuel bills from 20 to 35 per cent and makes homes up to 15 degrees cooler in the hottest summer days.

Type B

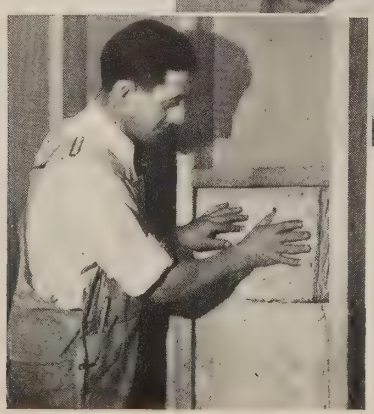
J-M Type B Home Insulation is felted rock wool, wrapped on chipboard centers, into "bats," 15″ wide x 18″ long, which are easy to handle and which fill the space between the walls. These bats can readily be pressed between studs or floor beams and can easily be sawed, cut or even torn with the hands to fit around windows, doorways, pipes, etc.

The convenient size of the bats enables the workman to cover large areas more quickly and economically than if loose wool were used. Furthermore, J-M Type B Home Insulation gives the home owner fullest protection against heat loss, for these "bats" are units of uniform thickness and density, and cannot be installed in such a manner as to leave voids or thin spots to waste heat. In addition, they provide added security from fire.

J-M Type B Home Insulation can likewise be applied in open attics and other accessible places in old homes, thereby making the homes much more comfortable all year 'round and much easier to heat.

The "bats" need only a slight bit of pressing to fill out the entire space between the studs or floor beams. Being compact, they leave no voids.

The "bats" can easily be sawed, cut with a butcher knife, or torn with the hands, to fit odd-shaped spaces.



Just a rough cut and a little pressing and the space is filled with fireproof, permanent insulating material.

Type A

For insulating the walls and finished attics of existing homes, J-M Type A Home Insulation is recommended. Type A Home Insulation is nodulated rock wool, which is "blown" into the wall and attic spaces under pneumatic pressure, by Approved Home Insulation Contractors who have the necessary equipment. We shall be glad to give you the name of the Approved Contractor in your neighborhood.

"Blowing" Type A Insulation.

Type B Home Insulation—Shipped 6 bats per package, slip-sheeted for ease in handling. One carton covers approximately 11¼ square feet of net area. Approximate weight per package, 26 lbs., net; shipping weight, 28 to 30 lbs. per package.

J-M Insulating Board, by actual test on the job, can be applied in one-third the time of wood sheathing. And, by actual laboratory tests with a turnbuckle, these rigid sheets excel even diagonally-applied wood sheathing in resistance to distortion. Although rigid, J-M Insulating Board can be made to conform to surfaces having a considerable curve. Inset: *J-M Insulating Lath, showing gridded surface for better plaster board.*

J-M INSULATING BOARD

– the 2-in-1 structural and insulating material

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J-M INSULATING BOARD NOW AVAILABLE IN *NON-INFLAMMABLE* FORM

At slight additional cost, J-M Insulating Board, Insulating Lath and Roof Insulation can be furnished treated to resist fire. Tests by Columbia University show that Insulating Board so treated will neither promote combustion nor carry flame, and therefore does not constitute a fire hazard. When heated for 10 minutes by an air-gas blast burner at 1700° F., no flame developed from the material, nor did charring extend beyond the area directly exposed to the flame.

J-M Insulating Board is a homogeneous, all-wood fibre board, combining structural strength and rigidity with high insulating value. It can be used as sheathing, roof insulation, attic lining, plaster base, interior finish, and as partitions, or wall treatment throughout the building. Its large-sized rigid sheets and easy workability materially reduce application costs.

FOR REMODELING

J-M Insulating Board lends itself particularly to remodeling and reconstruction work. With this versatile material practically any desired improvement can be obtained more quickly and more economically; and unused space can be made useful through the construction of play rooms and storage closets in the cellar, extra closets in the living quarters, and finished rooms in the attic.

On the farm

More and more, the control of temperature and humidity in farm buildings is receiving the attention of the farmer. J-M Insulating Board, applied right over the interior walls, corrects unsatisfactory conditions at low cost. Used as a lining, it conserves animal heat in dairy barns, stables, brooder houses and laying houses. It is likewise useful as an insulator in ice houses and milk houses, and will help to keep any building cooler in summer.

J-M Insulating Board—Size, 4 feet wide x 4, 5, 6, 7, 8, 9, 10 and 12 feet long, in ½″ or 1″ thicknesses. 1″ thickness obtained by cementing two sheets together.

J-M Insulating Lath—Size, 18″ x 48″, with long edges ship-lapped and all face edges beveled. Packed in cartons containing fifteen ½″ sheets or eight 1″ sheets.

J-M INSULATING LATH

—the ideal plaster base

J-M Insulating Lath is Insulating Board in 18″ x 48″ size, with long edges shiplapped, and all face edges beveled. It is applied with the "gridded" surface exposed. Plaster bonds to it with a strength far greater than the key of plaster on wood lath. J-M Insulating Lath makes a solid, unbroken surface which prevents unsightly lath marks and also results in a saving in plaster and labor.

Johns-Manville
Decorative Interior Finishes

Figure 1

Figure 2

Figure 3

Figure 4

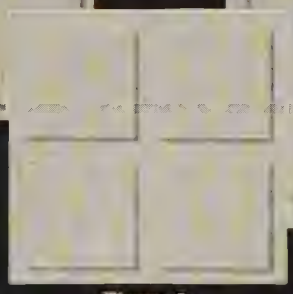


Figure 5

Figure 6

Figure 7

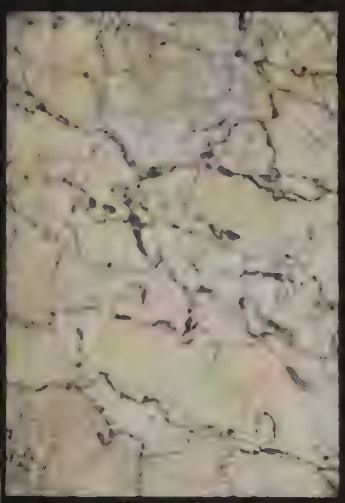


Figure 8

Figure 9

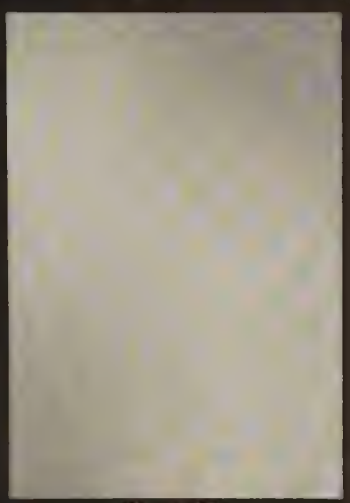


Figure 10

(1)

J-M ASHLAR STRIPS

Labor-saving, decorative strips of Insulating Board in the popular ashlar pattern.

J-M BEVEL BOARD

Individual Insulating Board Tile in a variety of sizes, from which many wall and ceiling patterns can be made.

(2)

J-M BEVEL PLANK

Random-width, beveled planks of sanded Insulating Board in natural buff—one of the most popular of modern wall treatments.

(3)

J-M WAINSCOTING PANELS

Pre-designed, ready-to-apply units of Insulating Board for economical, paneled wainscoting effects.

(4) (5) (6)

J-M DECORATIVE BOARD TILE

Ceiling Tile of Insulating Board, in units 2 feet square to reduce application costs.

(4) (5) (6)
C-1 C-2 C-3

(7)

J-M HARD BOARD

A stronger, harder, wood fibre board in lovely brown and tan tones. (*Decorative panel illustrated made entirely of Hard Board.*)

(8) (9) (10)

J-M ASBESTOS WAINSCOTING

An asbestos-cement sheet wall material with a "baked-on" finish in a variety of attractive designs and colors.

(8) Marbleized
(9) Tile Design
(10) Color Panels

COMPLETE INFORMATION ABOUT THESE NEW FINISHES IS GIVEN ON THE FOLLOWING PAGES.

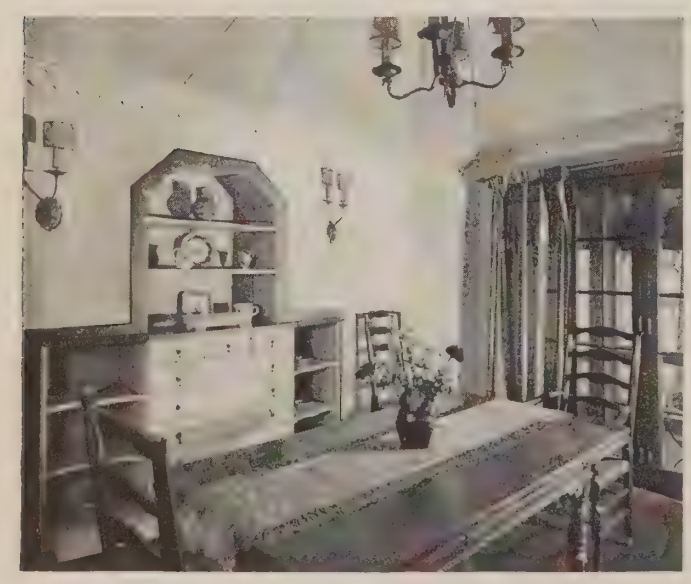
Many decorative effects now possible with new J-M Insulating Board Products

With its attractive buff color and pleasing surface, J-M Insulating Board is a decorative material in its own right. Without further finishing, other than covering or beveling the joints, it makes a wall surface that harmonizes with practically any decorative scheme. Where a special color is desired, it can be painted or stained.

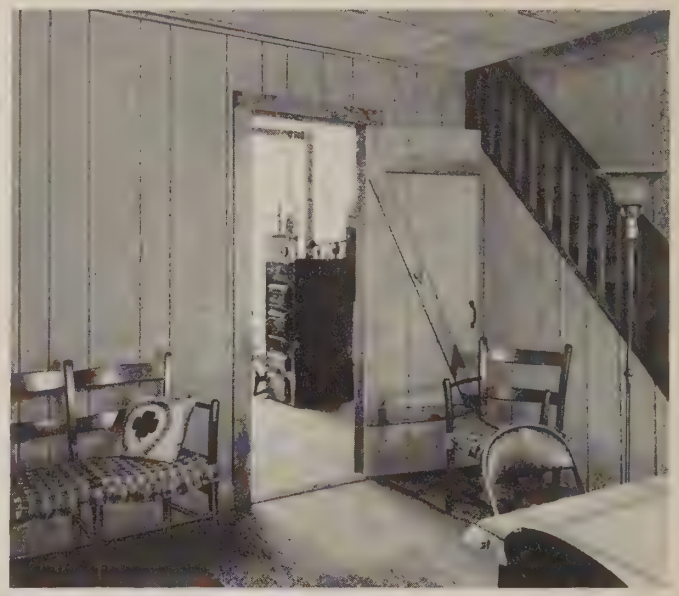
J-M Insulating Board can be sawed into practically any pattern, and is therefore adaptable to a variety of decorative effects. It lends itself readily to combination with other materials, either as a wainscoting itself, or with a wainscoting of other materials. Where a harder finish is required, J-M PanLboard (Insulating Board compressed to one-half usual thickness) is recommended.

J-M Insulating Board is made not only in standard sheets, but in other decorative styles, known as Bevel Plank, Bevel Board, Ashlar Strips and Wainscoting Panels, whose characteristics are best described by reference to the photographs on these pages. Any of these decorative styles can be applied in the same manner as the large sheets. With decorative Insulating Board, it is a very simple matter to cover unsightly walls with an attractive finish that requires little or no maintenance.

(Continued on next page)



In this attractive dining room, J-M Insulating Board has been used for walls, ceiling and decorative trim. The edges of the sheets have been beveled, and the board has been painted in pastel shades—sky blue on the ceiling, peach on the walls, and salmon on the trim around the cupboard.



At top: A snug little retreat in the attic, made with Insulating Board, and paneled with J-M Hard Board. Note storage space through doorway, lined with Insulating Board.

Center: What an addition to any home is a game room like this—"boarded" with J-M Bevel Plank and ceiled with the new J-M Decorative Board Tile.

At left: A combination of J-M Wainscoting Panels and Bevel Board makes this restaurant unusually attractive.

J-M PanLboard—Size, 4 feet wide x 4. 5, 6, 7, 8, 9, 10 and 12 feet long. ¼" thick.
J-M Bevel Board (Small sizes)—Sizes, 6" x 12", 12" x 12", 12" x 24" and 24" x 24" 7/16" thick.
J-M Bevel Board (Large sizes)—Sizes, 16" x 32", 18" x 32", 24" x 32" and 18" x 48" 7/16" thick.
Batten Strips—for use with Insulating Board. Furnished in widths of 2, 2½ and 3 inches x 8, 9, 10 and 12 feet long. 7/16" thick.
J-M Decorative Board Tile—Size, 24" x 24". Face sanded. Thickness, 7/16". 20 pieces per carton.
J-M Bevel Plank—Sizes, 6, 8, 10 and 12 inches wide, x 4 and 8 feet long. 7/16" thick. Face sanded and edges beveled. 72 sq. ft. per carton.
J-M Wainscoting Panels—Size, 18" x 4' high. Face sanded. 12 pieces, 72 sq. ft. per carton.
J-M Ashlar Strips—Size, 6" x 4'. Thickness, 7/16". Face sanded. Variegated colors only. Half dark, half light. 36 pieces, 72 sq. ft., per carton.
J-M Cap Moulding—For use with J-M Bevel Plank, Wainscoting Panels and Ashlar Strips. 2½" wide x 8' long x 7/16" thick. Packed in cartons of 36 pieces.
J-M Base—For use with J-M Bevel Plank, Wainscoting Panels and Ashlar Strips. 5" wide x 8' long x 7/16" thick. Packed in cartons of 18 pieces.

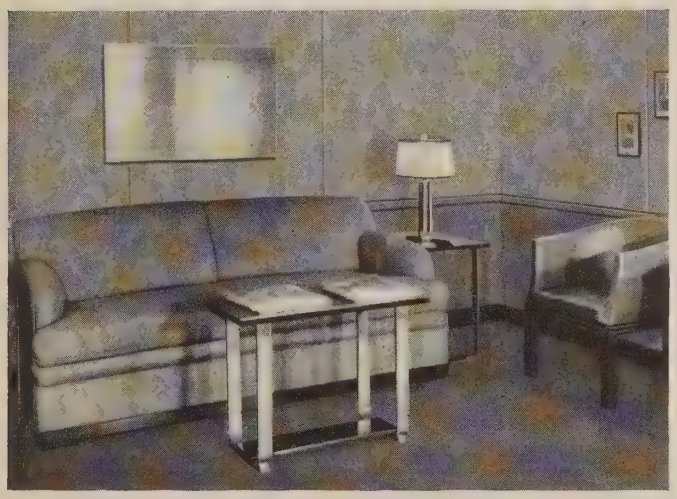
INSULATING BOARD and HARD BOARD

Whether employed in the building of new homes or the remodeling of existing homes and offices, J-M Insulating Board fills practically every need for a wall finish, from the strictly utilitarian to the highly decorative.

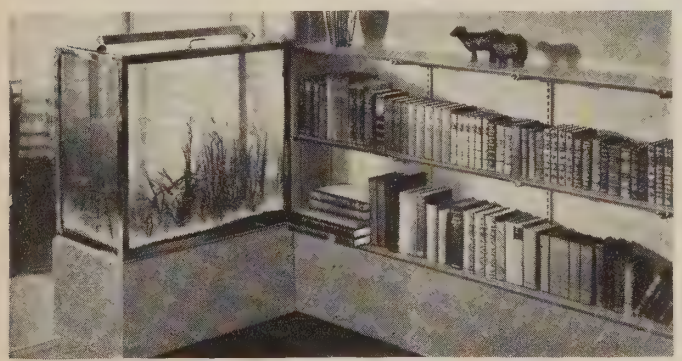
It is ideal for the construction of furnace rooms, play rooms, nurseries and extra rooms in the attic, and for refinishing over old walls. It can be paneled with Insulating Board Batten Strips or other suitable materials, and it combines happily with J-M Hard Board, particularly when the Hard Board is used as a dado.

To complete the harmonious decoration of the room, Johns-Manville has designed a series of Decorative Board Tile, 24″ square, for use on the ceiling. These tiles are also well adapted to use as ceiling finishes in stores and offices. They are made in the three designs illustrated on page 25.

Even everyday offices can be made attractive at small cost. This office has a wainscoting of J-M Ashlar Strips with J-M Insulating Board above. Joints are concealed with J-M Batten Strips.



This modern room owes much of its charm to the walls of J-M Insulating Board, with dado of J-M Tempered Hard Board—a treatment which applies equally well to modern rooms of many types.



Here J-M Hard Board is shown in two typical uses—as a decorative base and as book shelves. Practically any structural use—even flooring—can be filled by this versatile material. (Furnishings by courtesy of R. H. Macy & Co.)

J-M HARD BOARD

A decorative, structural sheet material of unexcelled strength, hardness, toughness and ridigity

Rich, natural tan and brown—burled finish

J-M Hard Board is a grainless, knotless, all-wood fibre board—so strong that it is used for lining concrete forms, and yet so decorative in color and finish that it is used as wall treatment in the finest homes. This new board will not warp, crack, split or splinter. Its hard, glossy surface is remarkably resistant to wear and abrasion. So resistant is it to moisture that it can be used out of doors with practically no additional finish. Yet despite these characteristics of strength, it works easily under ordinary carpenters' tools.

J-M Hard Board is suitable for all general uses; but where an even harder, stronger, more rigid sheet is desired, J-M provides Tempered Hard Board.

J-M Hard Board has a natural hue and finish which are ideal for interior decorative purposes without further treatment. In the Tempered style, the color is even richer and the finish glossier. Where necessary, it can be cleaned with ordinary soap and water.

Either style can be painted, stained, varnished or waxed. The Tempered Hard Board requires no priming coat before painting.

Partial list of uses:

PANELING	SHELVING	COUNTER TOPS
PARTITIONS	FURNITURE	STORE COUNTERS
TABLE TOPS	BOOK CASES	CONCRETE FORMS

J-M Hard Board and Tempered Hard Board—Furnished in 1/8″ and 3/16″ thicknesses, in sheets 4 feet wide x 1, 2, 3, 4, 5, 6, 8, 9, 10 and 12 feet long; and in 1/4″ and 5/16″ thicknesses, in sheets 4 feet wide x 12 feet long.

J-M ASBESTOS WAINSCOTING

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A sheet wall material in tile and marbleized designs, and in color panels.

Colorful, sanitary, low in cost.

•

Johns-Manville Asbestos Wainscoting is a sheet wall material made of asbestos fibres and Portland cement, with a special "baked-on" finish that stands up under all normal conditions of service. It will not spot or stain, and its original freshness can be restored by a simple wiping with a damp cloth or a cleansing with soap and water.

In its three styles, Marbleized, Tile Design and Color Panels, J-M Asbestos Wainscoting provides all the appearance and advantages of tile or marble—yet it can be applied with ordinary carpenters' tools. For this reason, it is ideal both for new construction and remodeling work.

Marbleized Wainscoting

From four of the finest quarries, Johns-Manville has selected the most perfect marble specimens obtainable, and has so authentically reproduced their surface detail that it is almost impossible to distinguish the Wainscoting from the actual marbles themselves. In foyers, banks, smart shoppes and sales rooms—wherever the effect of marble is desired—Johns-Manville Marbleized Asbestos Wainscoting answers every requirement at only a fraction of the cost. It is available in the four designs illustrated below: Verde Antique, Breche Rose, Jaune Fleuri, Black & Gold.

VERDE ANTIQUE

•

BRECHE ROSE

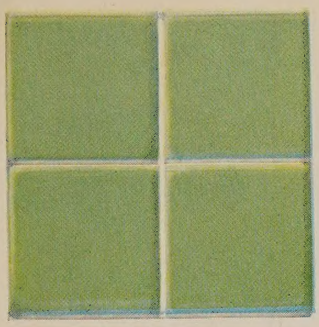
•

JAUNE FLEURI

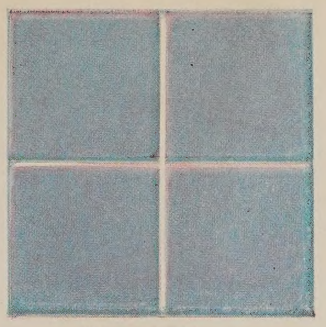
•

BLACK & GOLD

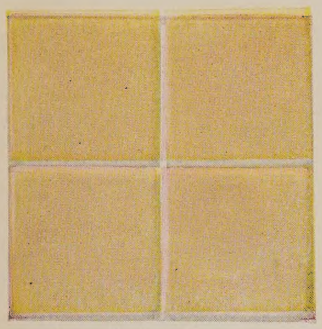
ASBESTOS WAINSCOTING



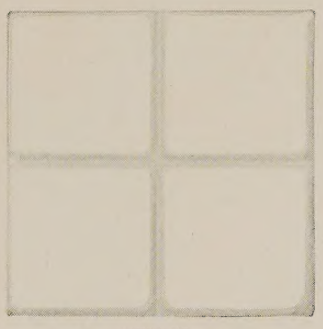
Light Green



Light Blue



Ivory



White

With the latest development in its Asbestos Wainscoting—a new combination sheet which unites cap, base and tile into a single piece—Johns-Manville cuts application costs to the very minimum.

No costly, time-consuming cutting along uneven floor lines is necessary with this new material. All sheets are applied with caps aligned. A quarter-round moulding along the floor not only conceals irregularities, but gives an added finish to the job.

Tile Design

In the tile design, J-M Asbestos Wainscoting gives the effect of 4-inch square tile set in soft-hued gray cement. Its "baked-on" surface is the result of long experiment by Johns-Manville Research Engineers, in collaboration with many leading laboratories. Accelerated tests indicate that this product is superior to any other similar material now on the market.

A unit from cap to base

The application of J-M Tile Design Asbestos Wainscoting is now simpler than ever, for the cap and base, although different in color, have been made an integral part of the sheet itself—an improvement that reduces application costs to the minimum. If desired, the tile sheet can be supplied with cap and base separate.

J-M Tile Design Asbestos Wainscoting is furnished in Ivory, White, Light Blue and Light Green, all having the new combination cap and base in Black, or with the cap and base furnished separate in the colors of the tile and in Black.

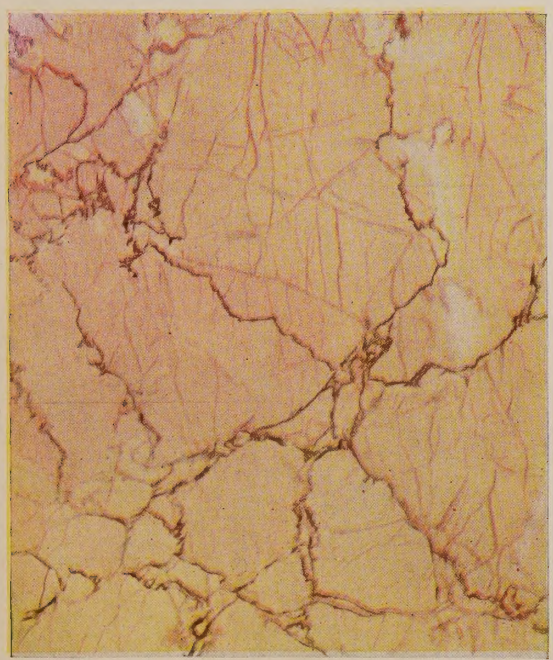
Color Panels

J-M Asbestos Wainscoting is also available in sheets of clear "baked-on" color—Ivory, White, Light Blue and Light Green—without the tile design, in keeping with many modern decorative requirements. In this style, the cap and base are furnished separate in matching colors and in Black, and are rabbeted to receive the sheets.

J-M Asbestos Wainscoting—Size, 32″ x 48″ x ¼″. Weight, approximately 3 lbs. per square foot. Packed six sheets to crate, weighing approximately 200 lbs. gross. Asbestos cap (1⅛″ x 48″ x ½″), and, for marbleized style (3″ x 48″ x ½″). Asbestos base (6″ x 48″ x ½″).

J-M Asbestos Wainscoting (Combination Type)—Size, 32″ x 50¾″ x ¼″. Weight, approximately 212 lbs. gross. Special outside corner strip 50¾″ long.

Standard inside and outside corner strips and straight joint strips furnished in sections 48″ long. Lacquer enamel for touching up nail heads furnished in ⅛ pt. cans.



METHODS OF APPLICATION

Marbleized Design and Color Panels: Fastened in place with chromium screws. Can be used with rabbeted base and cap, in Black or marbleized colors, or as complete wall covering. Color Panels may also be applied with special metal strips in matching colors.

Tile Design: Fastened by nails in holes drilled in score marks and touched up with special lacquer, or by metal strips in the same colors as the tile. Use special strip for all outside corners.

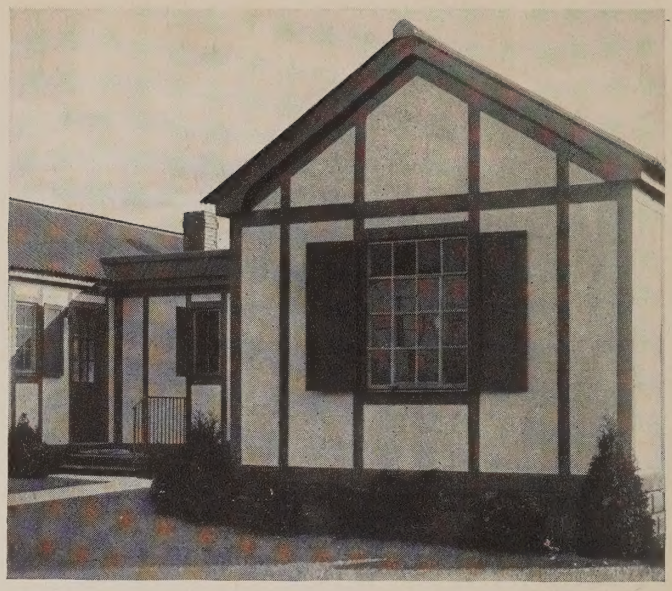
J-M TRANSITE and ASBESTOS FLEXBOARD

There are two types of asbestos sheet or board material in the J-M line, covering all the needs for both exterior and interior work, where strength, fire protection, rigidity and even flexibility are essential.

Both J-M Transite and Asbestos Flexboard are made of asbestos fibres and Portland cement, formed under great pressure into sheets of a convenient size for handling and installing.

Transite

Transite is generally recognized as the outstanding fire—and—corrosion-resisting building sheet on the market today. It is an unlaminated sheet of great strength and rigidity, and has a pleasing light gray color.



This cottage, with its Transite exterior, is not only pleasing in appearance and immune to the effects of weather, but also cannot catch fire.

It can be readily drilled, punched or sawed. It does not become warped, distorted or weakened in service, and it offers high resistance to acid fumes and severe weather conditions. Paint is not required as a preservative, but can be applied if other than the natural color is desired.

Transite is often used to give the effect of stucco in half-timber construction. It is an ideal material for the construction of bungalows and summer cottages, particularly in heavily wooded sections subject to forest fires. It is also furnished cemented to both sides of Insulating Board, combining fire protection and insulating value. In this form it is known as Transite-Encased Insulating Board.

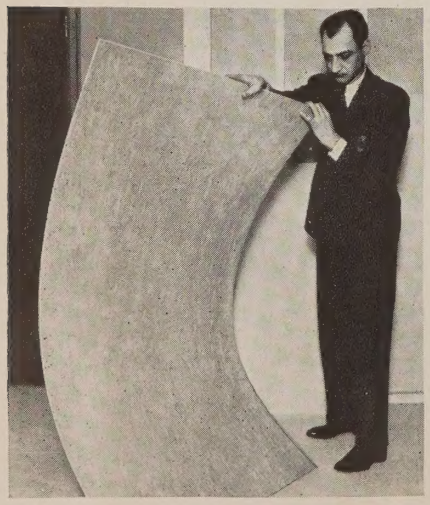
Asbestos Flexboard

J-M Asbestos Flexboard is a new Johns-Manville development in fireproof sheets. Bearing out the implied meaning of its name, this new board is actually *flexible.*

Made in standard sheets of 1/16", 1/8" and 3/16", Asbestos Flexboard bends readily and saws easily; and because of its toughness and flexibility, possesses unusual resistance to shock. Furthermore, it can be nailed directly to studs without the necessity of drilling.

In color, Asbestos Flexboard is an attractive buff, with a mottled effect that is especially pleasing. Its attractive color and permanent finish adapt it for use as interior walls, ceilings, window casings, partitions, cabinets, baseboards and other trim; while its ability to withstand fire makes it particularly suitable for use at any place where fire hazards exist—fire stop partitions, garage linings, furnace rooms, storage rooms, etc. In addition, its smooth surface and great strength make it ideal for lining concrete forms.

Asbestos Flexboard is especially well adapted for outdoor uses in the construction of cottages, sheds and outbuildings of all kinds. Where comfort as well as permanence is essential, an ideal combination is found in Asbestos Flexboard applied over sheets of J-M Insulating Board. And where a different color is desired, Asbestos Flexboard can be painted, although no treatment of any sort is necessary to protect it from the action of the elements.

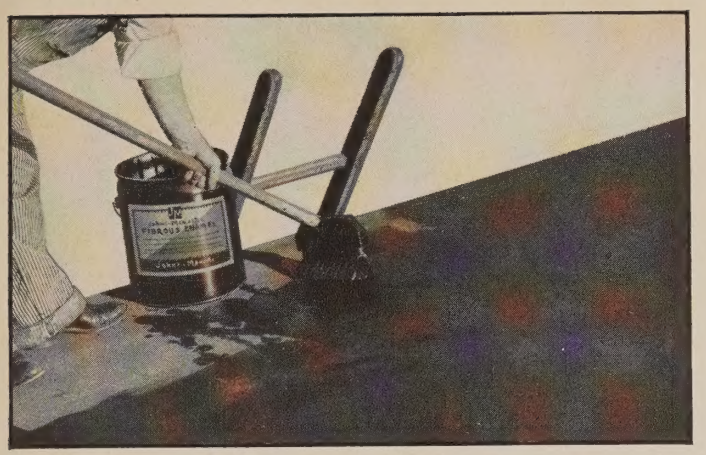


Asbestos Flexboard is remarkably flexible, yet strong. This illustration shows graphically how readily it can be made to conform to curved surfaces. Nails driven close to the edge of J-M Asbestos Flexboard, will not crack or split this new type of tough, flexible asbestos-cement sheet.

Transite—Size, 36" x 48" and 42" x 48", in thicknesses from 1/8" to 4"; and in size 42" x 96" in thicknesses from 3/16" to 2". Special sizes within these limitations can also be supplied. Weight approximately 124 lbs. per cubic foot.

Transite-Encased Insulating Board—Size, 42" x 96", and in smaller sizes on special order. 1/8" Transite cemented to both sides of 1/2" or 1" Insulating Board. Weight approximately 4 lbs. per sq. ft., with 1/2" Insulating Board.

Asbestos Flexboard—Size, 48" x 96", in thicknesses of 1/16", 1/8" and 3/16". Weight approximately 118 lbs. per cubic foot.



J-M ROOF COATINGS, PUTTIES, CEMENTS & WATERPROOFING MATERIALS

Johns-Manville manufactures a complete line of repair and waterproofing materials, including roof coatings for the restoring of wood, metal and composition roofs; putties for patching and pointing up roofs and walls; and waterproofing materials for both foundation and roofing work.

Each material has been developed for the specific service it must give, and has been proved most effective over long periods of actual use.

ASBESTOS ROOF PUTTY—A high-grade roof putty made of asbestos fibre and asphalt. Used for patching leaky roofs, constructing and repairing flashings, and for various other purposes. Furnished in the following colors and weights: Black, in 1, 5, 10, 25 and 45 lb. cans, and in 135 and 500 lb. drums. 1 and 5 lb. cans packed 24 per case, weighing 37 and 165 lbs. respectively. 10 lb. cans packed 12 per case, weighing 160 lbs. 25, 45, 135 and 500 lb. containers shipped individually, weighing 30, 50, 155 and 550 lbs. respectively.

Gray, in 1, 5, 10 and 35 lb. cans, and 60 and 175 lb. drums. 1 and 5 lb. cans shipped 24 per case, weighing 35 and 150 lbs. respectively. 10 lb. cans packed 12 per case, weighing 145 lbs. 35, 60 and 175 lb. containers shipped individually, weighing 40, 65 and 195 lbs. respectively.

Red, in 1, 5, 10 and 25 lb. cans and in 50 and 150 lb. drums. 1 and 5 lb. cans packed 24 per case, weighing approximately 37 and 160 lbs. respectively. 10 lb. cans packed 12 per case, weighing 155 lbs. 25, 50 and 150 lb. containers shipped individually, weighing 30, 55 and 170 lbs. respectively.

ASBESTOS CAULKING PUTTY—A plastic asbestos waterproofing material which will not dry out. For setting wood and metal door frames, skylights, scuttles, copings, etc.; for pointing up cracks in masonry; and for miscellaneous caulking. Furnished in 1, 5, 10, 35 and 60 lb. cans, and in 175 lb. drums. 1 and 5 lb. cans packed 24 per case, weighing 35 and 150 lbs. respectively. 10 lb. cans packed 12 per case, weighing 145 lbs. 35, 60 and 175 lb. containers shipped individually, weighing 40, 65 and 195 lbs. respectively.

Made in two grades: knife grade (for putty knife or trowel) and gun grade (for use with caulking gun). Specify grade desired.

AQUADAM—A black, elastic, tacky material for cold application. Used to keep dampness out of masonry, hollow tile, etc. Also used as a coating for sides and back of cut stone to prevent discoloration from alkali in the cement. Applied to the inside of exterior walls, it provides a damp-proof film and prevents air infiltration. Furnished in 1, 5, 25 and 50-gal. containers.

1-gal. cans packed 6 per carton, weighing 60 lbs.; 5, 25 and 50-gal. containers shipped individually, weighing 45, 225 and 430 lbs., respectively.

ASBESTOS FIBROUS ENAMEL—A high-grade roof coating made of asbestos fibres and asphalt of the right consistency for brush application. For coating old roofs of all kinds with a durable covering. Made with the asbestos fibre ground for a smooth coating, and unground for use where the roof is in bad condition. Furnished in 1, 5, 30 and 55-gallon containers.

1-gal. cans packed 6 per case, weighing 60 lbs.; 5, 30 and 55-gal. containers shipped individually, weighing 45, 290 and 525 lbs., respectively.

REGAL ROOF COATING—A non-fibrous asphalt coating for all kinds of roofs. Prolongs the life of roofing by penetrating the body, filling the voids and restoring its waterproof qualities. Furnished in 1, 5, 25 and 50-gal. containers.

1-gal. cans packed 6 per case, weighing 60 lbs.; 5, 25 and 50-gal. containers shipped individually, weighing 45, 225 and 430 lbs., respectively.

LAP CEMENT—Similar to the cement packed in each roll of prepared roofing, but put up in various size packages for use when roofing is shipped without accessories. Furnished in 1-pint and 1, 5, 25 and 50-gal. containers.

1-pint cans packed 72 per case, weighing 100 lbs.; 1-gal. cans packed 6 per carton, weighing 55 lbs.; 5, 25 and 50-gal. containers shipped individually, weighing 45, 225 and 450 lbs. respectively.

STANDARD ASPHALT ROOFING CEMENT—Furnished in two types with melting points of 170 and 190 deg. F. Shipped in solid form in 500-lb. drums.

THE CATALOG OF

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